







Office of the Sr.Divl. Mech. Engineer Diesel Loco shed, Kazipet-506003- Ph&Fax No.08702576154

No. C/M/DSL/KZJ/DTTC/9/2025

Date: 20.02.25

Sr. DPO/SC

Sub: Syllabus and sample question bank for filling up of the post of Junior Engineer of Mechanical wing of DSL Cardre in level.6-7th CPC pay matrix against 25% promotional quota in Mechanical Department of SC Division.

 $Ref:-Sr.DPO/SC\ Lr.No.SCR/P-SC/210(a)/DLS/KZJ/JE/PRQ/Mech/206136-dated.14.02.25.$

With reference to the above subject, herewith enclosed syllabus and sample question bank consisting of multiple choice questions with answers as in Annexure-I & II respectively for filling up of the post of Junior Engineer of Mechanical wing of DSL Cardre in level.6-7th CPC pay matrix against 25% promotional quota in Mechanical Department of SC Division Mechanical wing at DTTC/KZJ.

Encl:- Annexure -I: Syllabus

Annexure -II: Sample question bank

Principal/DTTC/K

Syllabus for Selection of JE - (Mechanical wing) at DLS/KZJ

- 1. Knowledge of basic principles and terminology of Mechanical equipment of all types of Diesel locomotives, DEMUs and Diesel units maintained by Shed.
- 2. Knowledge of Alco and HHP locomotives, DEMUs and Diesel Units maintained by shed Constructional details, working and functioning. Preventive maintenance schedules, Testing & troubleshooting.
- 3. Functioning, maintenance & testing of following equipments- Alco & HHP locomotives.
 - (i) Power Pack
 - (ii) Under Truck
 - (iii) Compressor
 - (iv) Brake systems
 - (v) Hydraulic system
 - (vi) Turbo Super Charger of various types
 - (vii) Turbo Clutch assembly
 - (viii) Heat Exchangers
 - (ix) Cylinder Heads
 - (x) FIP
 - (xi) Water Pump
 - (xii) Lube Oil Pump
 - (xiii) After Cooler
 - (xiv) RTTM/FTTM Blower
 - (xv) EPD
 - (xvi) Hot Oil Detector
 - (xvii) MUI
 - (xviii) Radiators
 - (xix) Governors
- 4. Knowledge of reading various drawings related to mechanical systems.
- 5. Knowledge of Fuel Oil system, Lube oil system, Cooling water system, Air Intake system, compressor- Maintenance, troubleshooting, rectification in Alco & HHP locomotives.
- 6. Knowledge of Latest developments like long life lube oil filters, Plate Type Lube Oil Coolers, Lube Oil Centrifuge, Air dryers, high horse power turbo super chargers, VCD, APU, DPCS etc. (applicable only those maintained by shed).
- 7. Under Truck Alco & HHP locomotives-Over hauling of bogies, Roller Bearings, checking of Axle box bearings and clearances. Checks conducted on important clearances, testing of springs, dampers, equalizing beams, compensating beams, knowledge of 'wheel gauge widening' and measurement of wheel profile. Knowledge of design features of high adhesion bogies, Tri mount cast bogies, equalizer less bogies. Knowledge of Radial bogies used in HHP

In A

locomotives (applicable only those maintained by shed) & HTSC bogies.

- 8. Safety Knowledge of various safety items fitted in the engine & locomotive.
- 9. Safety checks to be conducted on locomotive (including fire safety), before despatch.
- 10. Knowledge of Air brake system Alco & HHP locomotives- IRAB, CCB brake system (CCB 1.5 & CCB 2.0). Overhauling procedure of all air brake valves, operational procedure of multiple unit operation. Knowledge of troubleshooting in air brake system. Conducting Air brake self test & MU setup for HHP locos.
- 11. Knowledge of various tools and precision instruments required for maintenance of mechanical equipment.
 - (i) Power wrenches
 - (ii) Torque multipliers
 - (iii) Vernier calliper
 - (iv) Wheel profile gauges
 - (v) Temperature measurement gauges etc.
- 12. Knowledge of locomotive working in multiple units.
- 13. Safety precautions to be taken at work place & OHE safety precautions.
- 14. Fire prevention measures and fire fighting to be followed in the locomotive as well as in the shed.
- 15. General stores procedures Indenting Stock & Non- Stock items and stocking procedure.
- 16. Knowledge of Establishment rules like HOER, WCA, Leave rules, Pass rules, D&A rules, Conduct rules and Official Language policy.
- 17. Knowledge of various Preventive maintenance schedules (Trip, Monthly, M-4/M-12/M-24 for Alco, 30D, 90D, 180D, Y1, Y2, Y3, Y4, Y5, Y6 schedules for HHP locomotives) and important jobs done in each schedule.
- 18. Knowledge of Quality Standards (i) ISO 9001:2015, (ii) ISO 14001:2015, (iii) OHSAS 18001:2007 (iv) 5S
- 19. Knowledge on computer working.

General:

As per extant instructions at least 10% of the total marks prescribed for the written test should be on official policy and rules on optional basis.

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DTTC/KZJ/SCR

Multiple Choice Question Bank

1)	The axle loa a) 22 T b) 21.5 T	d of WDG6G le	of WDG6G locomotive b) 22.5 T d) 23 T				(0	l)	
2)	Maximum T a) 544 KN	Fractive Effort of b) 54			0 KN	d) 52.1 T	(c)
3)	Maximum T a) 270 KN	ractive Effort of b) 544		c) 28	.1 T	d) 29.15 T	(ł))
4)	Gear ratio o	f WDG 4G is						(a)
	a)85:18	b) 85:16	c)77:17	d) 90):17				
5)	No of Vertical & horizontal dumpers in WDG 6G is								b)
	a) 8 &4	b) 12 &4	c) 8&6	d) 12	2& 6				
6)	Location of	CA-9						(b)
	a) Aux Cab	b) Rad Cab	c) Blower	Cab	d) E	ngine Cab			
7)		t the VCD pena to idle, Reverse l b	r-F/R b)I			ıfter Extinguish	(ning	c of) LED
8)	In WDG4G a) Lead	locomotive whi		switch sh Helper	ould be l d) Tes	-	(a)
9)	Number of I a) 4	Brake blocks in b) 8	WDG4G lo		d) 24		(c)
10) N	Max braking ef	fort(KN) in WD	G6G				(a)
a)2	285	b) 272	c)	240	d) 1	200			
11)	Loco Model	of WDG6G						(t))
	a) 710G3B	b) GEVO 16	c) GE	VO 12		d) Both A & G	С		

12)	Coolant capa	city (Liters) in WI	OG6G		(a)
	a) 1468	b) 1249	c) 1045	d) 1210	
13)	Air Dryer Cl	3 is in			(c)
	a) 1 st row	b)2 nd row	$c)3^{rd}$ row	d)4th row	
14)		and valve provided cab b) Aux Cab c)		Eng Cab	(d)
15)	Radiator fan	is getting supply fr	om		(b)
	a) Mechanical	drive b) Separa	nte Motor	c) A &B	l) None
16)	Location of l	BKS in WDG6G			(a)
	a) Operator Ca	b) Aux C	ab c) Loco left s	side d) Rad o	eab
17)	Engine shoula) 24 hrs.	ld not be cranked if b) 36 hrs. c)	it is shut down for d		(d)
18)	In WDG6G	locomotive parking	g brake apply on w	heel no	(c)
	a) 1,3,5,6	b)2,5,4,8 c))1,5,8,12 d) 2,5	5,8,12	
19)	The parking a) 1:47	brake holding force b)1:57 c)	e will be sufficient) 1:37 d)1:6	=	eint (c)
20)	The parking Bra	ke can be released	by	((c)
a) Pı	ush button on E0	CP b) By manually	pulling c) Bo	th d)None	
21)	In WDG6G Ge a)Master cor	nerator Field break atrol circuit b	ter provides powe TA output c)Bot	-	ction to (a)
22) 1	Location of AES	SS switch inWDG6	G Loco		(d)
	a) CA-2	b)CA-3 c)) Rad Cab d) (CA-1	
23)	a)Cab front of b) cab back of	location of sander loor back side loor back door			(a)
24)	c) both a, b Location of b	d) cattery switch in W)Rad Cab DG6G loco		(c)
*	a)Aux Cab	b)A side		ine control panel	d)B side

25)	Ensure breaker off before opening BS (a) BCCB b)MAB c)GF breaker d)LCCB
26)	Location of Maintenance Battery Disconnect (MBD) InWDG6G (a)
	a) A-side Aux Cab b) B- side Aux Cab c) Rad Cab d) Cab-1,EC panel
27)	Location of air brake compartment (POU) inWDG6G (a)
	a)A side Rad Cab b)B side Rad Cab c) A side Aux Cab d) B side Aux Cab
28)	Sand capacity in WDG6G in lits a) 630 b) 340 c) 85 d) 105
29)	If both HVAC and Hot plate ON, result (d)
	a) HVAC fails b) Hot plate fails c)Both A & B d) !50 A breaker trips
30)	In WDP4/WDG4 Loco when lube oil temperature exceeds 124°C (d) a)Hot oil detector operates b)LLOB operates c)OSTA trips d)Both a and b
31)	In WDP4/WDG4 loco if water pressure is less a)LLOB trips b)Low water pressure button will trip c)Crank case pressure button will trip d)Both a and b
32)	In WDP4/WDG4 loco when PCS is knocked out a)MAB breaker should be recycled b)TCC breaker should be recycled c)Air drier breaker d)Both a and b
33)	In WDP4 /WDG4 loco before conducting air brake self test (a) a)Recycle MAB b)Recycle TCC1 and TCC2 c)Recycle Air drier breaker. d)Both a & b
34)	In WDP4/WDG4 loco engine should not be cranked when (b) a)Low water button is tripped b)crank case pressure button is tripped c)LLOB is in tripped d)OSTA is tripped
35)	In WDP4/WDG4 loco load meter will not respond if a) GFB trips b) AGFB trips c) Both a & b d) MAB trips
36)	In WDP4/WDG4 when continuous wheel slip is experienced due to locked axle (c a)Isolate the defective TM b)Isolate the defective speed sensor c)Fail the loco immediately d)Isolate the defective truck

37)	In WDP4/WI should be kep a)Lead		c)Helper	P leakage test L/T s d)Test		d)		
38)	Location of E a)Nose Comp	Sattery Knife Sv partment	vitch in WDG- b)In Accesso				(d)
39)	c)In LP's cab In WDP4/WI working cont	OG4 loco while	*	Side Foot Plate r brake self test in			(c)
	a)Auto Brake Application	handle should c)Both a and l	-	N b)Direct Brake she d)LT switch in Tr		kep	t in	· Fu	111
40)	In WDP4/WI should be kep a)Lead position	ot in	opening BP (c)Test pos		1	(d)]	c Help	
41)	a)By pass sec	pping due to sector ondary filter 3 d) fail the loce	b) By pass pr				(d)
42)		fuel pump moto partment b) Rac		c) Compressor roo	om d) I	Eng	(;ine) m
43)	Control air pr a) A9 Feed va	ressure is adjust alve b)F1 s	•	c)NS 16 governor d	l) Limiti	ing	(val)
44)	a)MR safety	•	b)Inter coole	closed position r safety valve will b	low		(b)
45)	a)"Water leve	ncy switch shou el is less than 1 hot engine alar	inch b)"Flo	d 'ON' if pat is punctured d)Both a and b			(b)
46)	a)FPC is pack	kes should not b ked emergency swit		b)Working with n d)GFC is packed	ıanual tı	rans	`	d on)
47)	a)By passing			BP metallic pipe is d b) Work with FP a d)Both b and c	_	ļ	(a)
48)	In Air brake pa Work with c)Both a and		b)Wo	oe is damaged ork further bypassing ork with FP alone	the coa	ıch	(a)

49)	Sensitivity of DV is	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(a)
		0)0.3 kg/cm2 in 60 secs			
	c)0.6 kg/cm2 in 60 secs	1)0.5 kg/cm2 in 60 secs			
50)	Insensitivity of DV is		(b)
	a) 0.6 kg/cm2 in 6 secs	o) 0.3 kg/cm2 in 60 secs			
	c) 0.6 kg/cm2 in 60 secs	d) 0.5 kg/cm2 in 60 secs			
7 1\					
51)	In M.U operation in Air brake loco, co	onjunction working in leading	,	1	,
	loco will takes place through	A 1 differential valve d) E1	(b)
	a)28 VB b)C3W DV c	c) A1 differential valve d) F1	seie	Ctor	vaive
50 \	16.40		,		`
52)	If A9 coc is closed in both control star		(a)
		b)BP will destroy only in emergency	y		
	c)Loco brakes will not release	d)BP will not destroy			
53)	In MU operation during A9 application	n, trail loco brakes get applied thro	ıgh((b)
	a)C3W DV b)F1 selector c)Additi	onal C2 relay valve d)Both a & c.			
54)	While working an air brake train if eng	pine shuts down on run	(c)
/	a)The train brakes will apply automatic				,
	b)Apply A9 and release after train con	-			
	c) Keep A9 in Emergency position unt	-			
	d)Apply loco brakes alone				
55)	I TOAD 11 1	1' (1 1 1 1 1 1	1	1	/ 1 ·
55)	In IRAB-1 brake system conjunction v	_		_	
	a)28 VB valve b)C3WDV c)A1 dif	ferential valve d)VA1B cont	101	vaiv	Е
56)	Le MII turilina la ca if 2/4" and along it	a brant in annu maritian	(J	`
56)	In MU trailing loco if 3/4" coc alone is		(d)
	a)BP will not destroy b)BP wi c)Loco brakes will not apply d)BP wi	•			
	c)Loco brakes will not apply d)BF wi	ii destroy only in emergency			
57)	If SA9 COC is closed in working cont	rol stand	(a)
	a) loco brakes will not apply b	o) conjunction brake will not apply			
	c) loco brakes will apply	l)Bp will not create			
58)	Location of C3W DV in IRAB brake s	system is	(b)
,		rtment c) Under truck d) A-control s	stan		
59)	If brake system coc is kept in closed p	osition	(c)
,		p)FP pressure will not create	,	•	,
		d)MR pressure will not indicate			
60)		_	1	h \	
60)	In IRAB1 brake system conjunction by	rake pressure is	(b)	

	a) 1.6kg/cm2 b)1.8kg/cm2 c)Both a&b d)None			
61)	In ALCO locos turbo super charger, turbine is rotated by a)Gears b)Motor c)Exhaust gas d)Clutch	(c)
62)	Main reservoir safety valve is set atKG/cm2 a)10.5 b)8 c)9 d)9.5	(a)
63)	Bogie configuration of WDG4 Locomotive is a) CO-CO b) Bo1 Bo 1 c)BO-BO d)BU-BU	(a)
64)	Axle Load of WDG4 Locomotive is a) 20.5 T b)22.5T c)25T d)19.5T	(a)
65)	Axle Load of WDP4 Locomotive is a) 20.5 T b)22.5T c)25T d)19.5T	(d)
66)	In WDG4 loco Hand brake is applied on Wheel Nosa) L4,L5 b)L2,R2 c) R4,R5 d)R2,	(R3	c)
67)	Primary stage suspension in WDG4 is accomplished by a)Shock absorber b)helical coil spring c)Damper d)Load pads	(b)
68)	Secondary stage suspension is accomplished bya)Load pads b)Damper c)rubber compression springs d)helical coil	(spr	a ing)
69)	To avoid separation of the truck/bogie assembly from the locomotive in conderailment and to provide a means of lifting the truck/bogie assembly alo body is accomplished by a)Hooks b)Safety links c)Lateral shock absorber d)Springs			
70)	In WDG4 soft primary suspension is made up of No of coil journal a)24 b)6 c)8 d)12	spri	ngs	(d)
71)	The un sprung weight of the locomotive car body is transferred directly to frame through a)Four Helical springs b)four rubber compression spring as c)Four Shock absorber d)Four coil springs	(b)
72)	Traction Motor gear ratio for GT46MAC is a)17:77 b)18:90 c)17:90 d)16:90	(c)
73)	WDG4 Loco is provided with type of bogie a) three-axle bolster-less bogie b)Tri mount c) Fabricated d)Fle	(exi c	a oil)

74)	Reduction in BP pressure causes						2)	
	a) Brakes release	e	b)Brakes	slow releas	e			
	c) Brakes applic	ation	d)MR pro	essure incre	asing			
75)	How many kind	s of Brakes a	re provide	d on Diesel	locomotive?	(8	a)	
	a) 5 b) 10	c) 11	d) 9				
76)	"is	the main pov	wer supply	of CCB for	the CCB system."	' (b)	
	a) DCU	b)VCI	J c)	PCU	d)DVR			
77)	In WDG4 loco	nax. Brake c	ylinder pre	essure is	_Kg/Cm2	(d)		
	a)3.8 b)3.2	c)2.2	d)5.2				
78)	CCB fault code	for Brake Pi	e Leakage	e Failure		(c)	
	a) 6A b)6C	c)6B	d)6D				
79)	Emergency brak	e application	is accomp	olished by_	valve provided a	at the low	er left of	
	each console					(b) (d) (c) At the lower left of (a) Eve brake (d) Esservoir) (a) Essure (c) MR pressure Veen (b) d)FP pressure —relay initiates a (a) Int of the end in a train. Who		
	a)D 1 emergency			,	lependent brake va			
	c)Direct Brake v	alve		d)con	npanion emergency	⁷ brake		
80)	EPA 1 is a print	ed circuit boa	ard(PCB)	Controls		((d)	
ĺ	a)Brake Cylinde			BP pressur	re	`	,	
	c)Direct brake c		d)	Auto brake	application(EQ Re	eservoir)		
81)	EPA 2 is a print	ed circuit boa	ard(PCB)	Controls		(a)	
	a)Brake Cylinde	er b)BP p	pressure c	EQ. Reser	voir d)MR pre	essure		
82)	EPA 3 is a print	ed circuit boa	ard(PCB)	Controls		(c)	
	a)Brake Cylinde				ake controls d)	MR press	sure	
83)	MRPT-Main Re	servoir Press	sure Transo	ducer reads	pressure betw	veen (b)	
	a)MR1&MR2	b)MR1 p	ressure	c)MR	2 pressure	d)Fl	P pressure	
84)	•	-		-	em whenever	•		
	safety control or	•			1)	(;	a)	
	a)PCR b)DMR	c)	WSR	d)SR			
85)	_				rake rack at the fro			
					ve being hauled dea			
			ead locomo	otive, the pro	essure regulator Ch	narges (c)	
	a)MR2 to 5kg/ci							
	b)Brake cylinde		tha broka -	nine				
	c) MR2 at 1.76k	g/cmz from	me orake p	npe				

86)	The EM2000 a)BPT	reads main res b)BCT	servoir air pre c)ERT	ssure from d)MRPT	transducer.	(d)
87)	What is the ca	ode for Brake b)6A	pipe control fa c)10A	nilure in self test d)22A	?	(b)
88)	What is the coa)6B	ode for Brake b)10B	pipe leakage f c)6F	ailure in self test d)6S	2?	(a)
89)	a)Provides pr	function of KE neumatic back ergency applic	Up	b) Creation of			a n of) FP
90)	3.5kg/cm2 as a)High horse	in convention	al locos? b)Speed is a	m2 brake cylinde more c)A s	er pressure is us	(c)
91)	After cooler of a)Control Air d)Booster Air	Pressure	_	is also called as Control Air Pres	sure c)HS	(4 pre) re
92)	N 1 Reducing a)Radiator ro	g valve/Limitir om b) Co	=	ated in m c)Nose comp	partment d)Rea	(ar co	c mpa) artment
93)				part of the ingc)Turbine Ca		(wer	a Cas) ing
94)	Where the boa) Air Box	oster air pressi b) Manifold	ure stored in T c) T	`wo stroke engin ank	e? d) Mi	(R	a)
95)	· ·	g of MV-CC /unloading of c compressor		, ,	g of compressor		c r)
96)	Loading and a)MVCC	unloading of c b)EP	-	controlled by GCP	in WDG4/I d)None of th)
97)	used to removactuated, and	ve condensate gets operated ssor is unloadi	from the main each time the ng. b)W	ed automatic dr reservoirs. The ————————————————————————————————————	valves are norr ke applied	nally (These are

d) limiting brake cylinder pressure to 1.76kg/cm2

98)	attempting an	other engine sta	art.	minutes fo	or starter motor		oling c	
	a)20	b)10	c)2	d)5				
99)		•		with starting n d) 20 seconds	notors in HHP	(d)
100)	a)The amount	represents t of speed of wheel slip th	b)The	amount of load	c)The amount	of	d tour) que
101)	Capacity of L a)1457	•	of WDP4 class c)1050	ss Locomotive is d)1150	s liters	(a)
102)	8th notch spe a)1050	eed of WDP4 E b)1000	ngine c)954	RPM d)915		(c)
103)	a)1105 mm to	t of WDP1 o 1000 mm 5 mm to 1030 r	b)1105 mm to	o 1030 mm	c)1105 mm to	10	b 90 m) nm
104)	Chemical add a) Indion 134	led in loco cool b) Ind		c) Indion 1245	d) HP	`) cool
105)	FTTM driven		s.	c) Gear	d)Hydraulic p	`	c sure)
106)	Gear ratio of a)18:65	WDG3A is: b)17:7	7	c)18:90	d)22:8	0	a)
107)	How many No	o. of batteries in b)10	n WDP4 Locor c)4	motive d)6		(b)
108)	HP of WDM3 a) 1400	3A is: b)1800	c)2400	d)3100)	(d)
109)	Latest modifie a) Drum	ed lube oil cool b) plat		type in WD c) Paper	M3A d)Roll	(b)
110)	Low idle RPM a) 210	M of WDP4 eng b)200	gine is	d)215		(b)
111)	Lube Oil capa a) 9	acity of Compre b) 8	essor in WDP4 c) 10	is	liters	s (c)

112)	Maximum co	ntinuous curre	nt of Traction	Alternator is_	A	mperes	(b)	
	a)1200	b)1250	c)1150	d)1050						
113)	Maximum sp	eed of WDP4	class Loco mo	tive is k	mph		(c)	
	a)140	b)150	c)160	d)180	-					
114)	Maximum red	ctified output v	oltage of Aux	iliary Alterna	tor is	volts	(a)	
	A) 74	b)75	c)72	d)70						
115)	Maximum red	ctified output v	oltage of Con	npanion Alteri	nator is	v	olts	(b)
	a) 250	b)230	c)200	d)110						
116)	Maximum red	ctified output v	oltage of Trac	ction Alternate	or is	volts	s (d)	
	a)2400	b)2500	c)2700	d)2600						
117)	Minimum con	ntinuous speed	at Maximum	tractive effort	of WDP4	Locomo	tive	is		
		kmph					(d)	
	a)15.5	b)20	c)10.0	d)22.5						
118)	N1 reducing	valve/Limiting	is used to con	itrol	pressure		(c)	
	a)BP pressure	e b)FP pressu	re c)	Control Air Pr	essure		d)B	C I	ores	ssure
119)	HP of WDP4	Loco motive	is	HP			(a)	
	a)4500	b)3900	c)3950	d)3939						
120)	Normal idle F	RPM of WDP4	Engine is				(b)	
	a)290	b)269	c)250	d)296						
121)	Rail Guard he	eight of WDP1	is				(d)	
	A)120mm	b)90mm	c)30mm	d)101mm						
122)	The coupling	between right	angle gear bo	x and radiator	fan is		(a)	
	a) Universa	l Coupling b)	love-joy coup	oling c) CBC	coupling	d) Can	ı gea	ar		
123)	In Alco loco	Turbo supercha	arger is driven	by			(b)	
	a)Cam gear	b)Exhaust ga	sses c)Cr	ank shaft	d)AC	motor				
124)	Type of Wate	er Pump in WD)P4				(c)	
ŕ		oump b)Air		c)Centrifu	gal Pump	d)Gear	pur	np		
125)	WDP1 loco tr	ransmission is					(b)	
,	a) DC	b)Electrical		echanical	d)Both	ı B&C	`			
126)	WDP4 OSTA	tripping rpm	is:				(c)	
,	a) 1155 ± 20	b) 1125 ± 2		± 20	d) 110	0 ± 20	`			
127)	What is the m	ninimum cleara	nce required f	for wheel to b	rake block	during r	elea	se (a)
,	a)10mm	b)8mm	с)6тт	d)4mm		υ			`	,

128)	What is the piston travel of brake cylinder in WDM3A loco? (c) a)60 to 85 cm b)85 to 95 cm c) 95 to 105 cm d)90 to 100 cm
129)	In WDG3A locomotives 3/4" coc (BP coc) is located in/at (a) a)Nose compartment b)Driver cab c)Short hood control stand d)None of the above
130)	One of the following is the equipment in Nose compartment (c) a)MR1 b)MR2 c)Control air pressure reservoir d)All the
above	
131)	"D" solenoid in the Governor is also called (a) a) Shutdown solenoid b) Cranking solenoid c)Tripping solenoid d)Safety solenoid
132)	circuit breaker establishes local control with power from Locomotive battery or Auxiliary generator to operate heavy duty switch gear, magnet valves, contactor, blower and miscellaneous relays (d) a)AGFB b)MCB c)GF d) Local control
133)	In WDG4 loco, Current rating of Starting fuse (d) a)600 amps b)1000 amps c)500 amps d)800 amps
134)	How many position does PRIME/START switch has (a) a)3 b)2 c)1 d)4
135)	if the LR % is, EM2000 is reducing power output because the engine's capabilities are less than the load being requested. (b) a)less than 200 b)less than 100 c)More than 100 d)less than 500
136)	Maximum starting effort of WDG4 is (b) a)120T b) 54T c)22T d)44T B
137)	Purpose of BWR (brake warning relay) is to a)To cut out Dynamic brake in case of Over current b)Protect Dynamic brake grid c)Ensure working of Dyn braking d)All the above
138)	Purpose of TEL (Tractive effort limit)Relay in WDG4 Locos is a)To limit tractive effort to 200KN or 20T b)To limit tractive effort to 250KN or 25T c)To limit tractive effort to 150KN or 15T d)To limit tractive effort to 294KN or 29.4T
139)	Shutting down of all diesel engines in a consist is accomplished relay(c) a)DMR b)GCR c)SDR d)FLR
140)	The functioning of VCU is (b) a)to reduces 73.5 V DC to filtered 25 V DC to CRU b)to reduces 73.5 V DC to

	filtered 24 V DC to CRU c)to reduces 72 V DC to filtered 25 V DC to C reduces 110 V DC to filtered 25 V DC to CRU	RU		d)to
141)	The main functions of EM2000 computer is a) Logic b) Excitation c) Display d)All of the above	(d)
142)	The part of the ground relay system and connected to the companion alter as well as the AC input to FCF (Firing Control Feedback) module is protected.	cted		_
	a)AC control b) Companion Alternator output c)Fan circuits d)Ra	dar	circ	uits
143)	In WDG4 loco Tractive effort is transferred from to TM to wheel is throug a)Load pads b)side bearers c)coil springs d)Traction rods	;h _	_	(d)
144)	How Crank case vacuum is maintained in WDG4/WDP4 engines(EMD)? a)Blower b)Crank case exhauster c) Eductor d)No vacuum			
145)	Fuel oil primary filter is located at a)Generator Room b)Engine room c)Radiator Room d)Equi	`	d ent 1	
146)	If the pressure across the primary filter element exceeds, a bypass value, bypassing the primary fuel filter. a)10 PSI b)20PSI c)30PSI d)40PSI		beg c	
147)	When fuel oil pressure at the spin-on filters input risesPSI, the spin bypass valve opens fully and fuel bypasses the engine and return to fuel tate a)50 PSI b)40PSI c)80PSI d)70PSI			
148)	In ALCO Locos Fuel oil crossover flexible pipe is located in a)Radiator room b)Nose compartment c)Power takeoff end d)Free	(end	c)
149)	What is the Fuel oil tank capacity in WDP1 locomotive in liters a)4000 b)5000 c)3000 d)2000	(c)
150)	Fuel pump motor is not working though the all circuit breakers are switched	d O	N, 1	the
	a)ERF not closed b)R1 and R2 not picked up c) GFC not picked up d)FPC not picked up	(d)
151)	If white smoke is emitting from exhaust chimney, what could be the reason a) Water mixed with fuel oil b) Governor oil mixed with fuel oil c) Lube oil mixed with fuel oil d) None of these	1? (a)
152)	What is the Fuel oil tank capacity in WDP4D locomotive in litres. a)6000 b)5000 c)3000 d)5500	(b)

153)	How many Po a)7	ower Contactors b)9	s are available : c)8	in WDG4 Locomotive? d)0	(d)
154)	Numbe	er of brake bloc b)24	ks are provided	d on WDM2 d)22	(b)
155)	ŕ	,	,	WDM2 locomotive d)12	(b)
156)	WDG4 Engin	,	c)269	d)360	(c)
157)	What is the m	,	ssible speed of	(designed for) WDG4 locom	otiv	es	(b)
158)	H ow many L a) 5	ube oil pumps a	available in EM c) 9	ID engine? d) 4	(d)
159)		s lube oil filter Room b)Equ		l at c)Engine roomd)Radiator Ro	(oom	b)
160)	LOPS setting a)25-29 psi	of WDG4 loco b)8-12 psi		d)20- 30PSI	(a)
161)	LOPS setting a)10 - 12 PSI	of WDG4 loco b)8-12 psi	in idle is c)12-20 PSI	d)20- 30PSI	(b)
162)	Pre lubrication more thana) 48	-	an engine that c)12	has been shut down for d)8	(a)
163)	The purpose of a) To lubricate d)To lubricate	e the Turbo	•	Locomotive before cranking is the residual heatc)To lubricate	•	c bo b	_
164)	-	-	_	_minutes after engine is shutd ninutes prior to engine shut do d)45			engine b)
165)	Lube oil dipst	ick gauge of W b)380	DG3A is having c)600	ng liters capacity.	(c)
166)	Number	er of brake bloc b)12	ks are provided c)32	d on WDG4 d)22	(b)
167)	What is the La)760	ube oil capacit b)910	y (in liters) in V c)1100	WDG4 locomotives? d)1457	(d)

168)	In Alco Locos Lube oil Cooler is located in	(a)
	a)Radiator room b) Compressor room c) Generator room	d)Under t	ruck	
169)	Lube oil dip stick gauge capacity in WDG4 locos isliters. a)400 b)550 c) 625 d)700	(c)
170)	In ALCO Locos Lube oil Filter drum is located in	(d)
	a)Nose compartment b)Generator room c)Engine block	d)Radiato	r ro	om
171)	What is the Safety Device provided in the Lube oil system? a) GFOLR b) OSTA c) LLOB	d)LWS	c)
172)	When LLOB trips, the engine will	(b)
,	a) Raise b) Shutdown c) Comes to Idle	d) Hunting		,
173)	Electro Pneumatic Governor (EPG) is located in	(d)
ŕ	a) Compressor room b)Radiator room c)Nose compartment	d)Rear co	mpa	rtment
174)	From where the control air pressure will get air pressure a)MR2 b)MR1 c)BKTs d)J filter	(b)
175)	Main Reservoir (compressed air pressure) Unloading will takes pla a)8 b)9 c)10 d)11	ce at_kg/c	m2	(c)
176)	MR Cooling coils in WDG4 is located at	(c)
	a)Under truck b)Engine block c)Radiator room	d)Com	pres	ssor
room				
177)	MR safety valve is set at Kg/Cm2 pressure.	(c)
	a) 8 b)9 c)10.5 d)9.5			
178)	The compressed air enters to MR1 tank through	()
	a)MR Safety valve b)MR2 c) Cooling Coil d)3 / 4	" cutout co	ck	
179)	Manual sander will be working when the unit speed is up to	(b)
	a)30.6kmph b)19.5kmph c)30kmph d)25kmph			
180)	Manual Sanding is cutout when the locomotive is operating in pow	er/wheel c	reep	mode,
	and moving at speeds above	(c)
	a)30kmph b)10kmph c)19.5 km/h d)15kmph			
181)	Maximum Stall Tractive Effort of WDG4 Locomotive is	(a)
	a) 540KN b) 400KN c) 200KN d) 250KN			

182)		o, which is loca roximately.	ated on th	ne wate	er tank filler	pipe, opens	(d)
	a)25 PSI	•	PSI	c)20 P	SI	d)7 PSI	`		ŕ
183)	Cooling Water a)900	r capacity in W b)910	DM2 loc c)1300		ve is d)1210	liters.	(d)
184)	How many wa a)1	ater pumps ava b)4	ilable in c)3	EMD l	ocomotive d)2	engine?	(d)
185)	If the coolant throttle six lim a) 95	nit.	eaches c) 85	deg	ree C, the lo	ocomotive will g	go to	a)
186)	,	gine, the Water	,		,		(c)
187)		ed at essories Room			om c) Radi	ator Room d) I	(Equipn	a nent) rake
188)	a)less than -15 greater than 15 d)less than -55	55 degrees C or 50 degrees C 5 degrees C or	greater c)more greater th	than 15 than -5 han 250	50 degrees (55 degrees () degrees C		-55 do n 150 d	egre legr	ees C
189)	from a)79° C to 85°	•			_	ure within a pre	(a)
190)	_	continuously f and work furth c) Do fast p	ner	b) Fai	l the loco d	uly observing the) vel
191)	What is the inca)LED	dication for blo b)Buzzer	own radia	ator far	fuse?	or will project o	() sage
192)	Hot engine ala a) 60	arm (HEA) wi b) 70	ll come a	ıt	_°Cin WD0 d) 80	G3A locos	(c)
193)	During one of a) Continuous	the following s 8th notch working not working	occasion rking	b) Exc	cess load	n indication wi	ll get ((c)
194)	*	cted to side return hea t side return he			ter expansion	on tank	(b)

will be switched on automatically in loco, during accidents	`)
a) Head light b) Auto flasher light c) Marker light d) Do	oom l	ight	-
•	em. (c)
What is the color code for the BP pressure pipe?	(c)
a) Black b) Red c) Green d)Yellow			
DV isolating handle inposition indicates DV is in isolated position a) Vertical b) Horizontal c) 60 degrees d) None of these	on. (b)
DV isolating handle inposition indicates DV is in working positional a) Horizontal b) Vertical c) 45 degrees d) None of these	n. (b)
_		_	
			,
c) Work further with 50 kmph d) Ask for the relief engine			
The speed restriction that has to be observed by a LP when headlight of engine fails on BG is kmph. a) 50kmph b) 30kmph c) 40kmph d) MPS	(c)
Whenever stopped on gradient for any reason it is essential to apply the brakes	(c)
) SA.9 b) A.9 c) A9 & SA9 d) Hand brake			
How much pressure should be ensured in the engine and BV before star	ring		
air brake train?	(c)
a) 6cm2kg,4.9 kg/cm2 b) 5.2kg/cm2, 4.7 kg/cm2 c) 5kgcm2, 4.8 kg/cm2 d) 4.8kg/cm2, 5kg/cm2			
For any reason, a train is stalled on gradient, the hand brakes of Locomo	tive		
and formation shall be applied if stoppage is more than a) 5 minutes b) 10 minutes c) 20 minutes d) none	(d)
How the notching up is to be done in Undulating terrain? a) Repeatedly changing the notches b) without notching up c)Constant notches to be maintained D)none of the above	(c)
How would you work the train, if the loco wheel develops skid mark more than 50 mm length in section?	(b)
	a) Head light b) Auto flasher light c) Marker light d) De FP pressure in loco shall be and in BV kg/Sq.a a) 5.0, 4.8 b) 5.0, 4.7 c) 6.0, 5.8 d) 6.0, 5.7 What is the color code for the BP pressure pipe? a) Black b) Red c) Green d)Yellow DV isolating handle in position indicates DV is in isolated position a) Vertical b) Horizontal c) 60 degrees d) None of these DV isolating handle in position indicates DV is in working position a) Horizontal b) Vertical c) 45 degrees d) None of these When a Train engine is disabled in mid section, Driver should ask for reexpects that the train engine cannot be put in working order within may be an expect that the train engine cannot be put in working order within may be an expect that the train engine cannot be put in working order within may b) Horizontal b) Work the train by reducing 10% specifically by the specific color of the above when the speedometer of a running train engine becomes defective a) Fail the locomotive b) Work the train by reducing 10% specific c) Work further with 50 kmph d) Ask for the relief engine fails on BG is kmph. a) 50kmph b) 30kmph c) 40kmph d) MPS Whenever stopped on gradient for any reason it is essential to apply the kmph. a) 50kmph b) 30kmph c) 40kmph d) MPS Whenever stopped on gradient for any reason it is essential to apply the kmph. a) 6cm2kg,4.9 kg/cm2 b) 5.2kg/cm2, 4.7 kg/cm2 c) 5kgcm2, 4.8 kg/cm2 b) 5.2kg/cm2, 5kg/cm2. For any reason, a train is stalled on gradient, the hand brakes of Locomo and formation shall be applied if stoppage is more than a) 5 minutes b) 10 minutes c) 20 minutes d) none How the notching up is to be done in Undulating terrain? a) Repeatedly changing the notches b) without notching up c)Constant notches to be maintained D) none of the above	a) Head light b) Auto flasher light c) Marker light d) Doom I FP pressure in loco shall be and in BV kg/Sq.cm. (a) 5.0, 4.8 b) 5.0, 4.7 c) 6.0, 5.8 d) 6.0, 5.7 What is the color code for the BP pressure pipe? (a) Black b) Red c) Green d)Yellow DV isolating handle in position indicates DV is in isolated position. (a) Vertical b) Horizontal c) 60 degrees d) None of these DV isolating handle in position indicates DV is in working position. (a) Horizontal b) Vertical c) 45 degrees d) None of these When a Train engine is disabled in mid section, Driver should ask for relief erexpects that the train engine cannot be put in working order withinminute a) 05 b) 10 c) 15 d) None of the above When the speedometer of a running train engine becomes defective (a) Fail the locomotive b) Work the train by reducing 10% speed freely work further with 50 kmph d) Ask for the relief engine The speed restriction that has to be observed by a LP when headlight of engine fails on BG is kmph. (a) 50kmph b) 30kmph c) 40kmph d) MPS Whenever stopped on gradient for any reason it is essential to apply the brakes () SA.9 b) A.9 c) A9 & SA9 d) Hand brake How much pressure should be ensured in the engine and BV before staring air brake train? (a) 6cm2kg.4.9 kg/cm2 b) 5.2kg/cm2, 4.7 kg/cm2 c) 5kgcm2, 4.8 kg/cm2 d) 4.8kg/cm2, 5kg/cm2 For any reason, a train is stalled on gradient, the hand brakes of Locomotive and formation shall be applied if stoppage is more than (a) 5 minutes b) 10 minutes c) 20 minutes d) none How the notching up is to be done in Undulating terrain? (a) Repeatedly changing the notches b) without notching up c)Constant notches to be maintained D) none of the above	a) Head light b) Auto flasher light c) Marker light d) Doom light FP pressure in loco shall be and in BV kg/Sq.cm. (c a) 5.0, 4.8 b) 5.0, 4.7 c) 6.0, 5.8 d) 6.0, 5.7 What is the color code for the BP pressure pipe? (c a) Black b) Red c) Green d)Yellow DV isolating handle in position indicates DV is in isolated position. (b a) Vertical b) Horizontal c) 60 degrees d) None of these DV isolating handle in position indicates DV is in working position. (b a) Horizontal b) Vertical c) 45 degrees d) None of these When a Train engine is disabled in mid section, Driver should ask for relief engine expects that the train engine cannot be put in working order withinminutes. a) 05 b) 10 c) 15 d) None of the above When the speedometer of a running train engine becomes defective (b a) Fail the locomotive b) Work the train by reducing 10% speed from c) Work further with 50 kmph d) Ask for the relief engine The speed restriction that has to be observed by a LP when headlight of engine fails on BG is kmph. (c a) 50kmph b) 30kmph c) 40kmph d) MPS Whenever stopped on gradient for any reason it is essential to apply the brakes (c c) SA.9 b) A.9 c) A9 & SA9 d) Hand brake How much pressure should be ensured in the engine and BV before staring air brake train? (c c) 5kgcm2, 4.8 kg/cm2 b) 5.2kg/cm2, 4.7 kg/cm2 c) 5kgcm2, 4.8 kg/cm2 d) 4.8kg/cm2, 5kg/cm2 For any reason, a train is stalled on gradient, the hand brakes of Locomotive and formation shall be applied if stoppage is more than (d a) 5 minutes b) 10 minutes c) 20 minutes d) none How the notching up is to be done in Undulating terrain? (c a) Repeatedly changing the notches b) without notching up c)Constant notches to be maintained D) none of the above

	a) Fail the loco at site b) Clear the section with less than 30 KMPH & inform PRCc) Work with 40 KMPHd) None
208)	Identify the problem in brake power? (d) a)A9 coc in both control stand in open condition b)MU2B in Lead position & 3/4" coc in open in Rear loco c)For loaded rake the Load/empty device handle in empty direction d)All the above
209)	If MU locos get parted through which valve brake will apply in rear loco? (c) a) SA-9 b)A-9 c) F1 Selector d) N1 Reducing
210)	The effective Brake Power in case of Mail/Express at the originating station should be% and enroute can be not less than% (c) a) 100, 85 b) 100, 100 c) 100, 90 D) 100, 95
211)	The following shall not be used for extinguishing fires on electrical equipment. (c) a) Dry chemical powder b) foam c) water d)none of these
212)	What acts LP/ALP should not do while approaching /passing signals /stations to avoid SPAD? (d) a)Calling out signals b) Taking exchange signals with station staff/ Guard c) Writing Log book, memo books, packing their belongings and attending CUG/walkie talkie d) b & c
213)	what are the present VCD cyclic timings? a)60, 8 and 8 seconds b)60,17 and 17 seconds d)65,8 and 8 seconds A (a) c)170, 17 and 17 seconds d)65,8 and 8 seconds
214)	What combination of trains are Permitted for running long haul train? (d) a)Empty/Empty b)loaded/Empty c)Loaded/Loaded d)All the above
215)	What condition is to be observed in loco by LP to avoid stalling? (c) a)COC's b)Lube oil pressure c)Load meter over shooting d)Conjunctional brake working
216)	What is the position of ¾ coc's in both loco while carrying dead locos? (b) a)close/close b)open/close c)Both open d)none of the above
217)	What is the position of C3W/DV in both locos while carrying dead loco? (a) a)open/open b)close/open c)Both close d)open/close
218)	What is the position of MU2B & BP isolation COC in banker loco? (a) a)Lead & close b)Trail & open c)Trail & close d)None

219)	What is to be done by LP whenever the train engine is changed? (d) a)Air brake continuity b)feel test c)Brake power d)All
220)	What is to done by LP, if he feels the brake power of his train is poor? (d) a)Re validation of BPC b)Air continuity c)Stop the train at next station & give all concern message d)Stop the train next station, check the brake power % age & act accordingly
221)	What precaution should be taken for conducting Air brake self test in GM locos? (d) a) Secure loco b)Secure formation c)Detach loco and secure d)Secure both, close BP & FP COC of loco towards formation.
222)	What should be done first for changing console in WDG 4 / WDP 4 locos? (a) a)Disable working control stand & enable non working control stand b)Enable working control stand & disable non working control stand c)As per convenience d)None of the above
223)	What should be the position of BP & FP angle cocks in an DV isolated coach/wagon of an air brake train? (a) a) Open b)Close c)None d)BP close & FP open
224)	What should be the position of Lead /Trail switch in trailing loco of WDG4/WDP4 MU? (a) Trail b) Lead (b) Both (c) Both (d) Off
225)	What Test should be done by Crew for Passenger Train detained more than 30 minutes? (b) a) Air brake Self Test b) Air Continuity test c)Brake feel test d)Brake Power test.
226)	What will happen when isolation handles of 20 no. DVs in a formation of 58wagons are in isolation condition? a)No change in brake power b)load will be reduced c)Poor brake power d)increase the brake power
227)	When flasher light become defective speed of the train shall not exceed(d) a) 20Kmph b) 30Kmph c) 40kmph d) fail the loco
228)	Which coc's should be ensured in open condition in both control stand before perform shunting in WDM2? (b) a) A-9 b) SA-9 c) Both A9 & SA 9 d)None of the above

229)	While carrying dead locoto be ensured A)Conjunctional brake application in rear loco b)conjunctional brake application in leading loco c)Conjunctional brake in both loco's d)All the above
230)	While taken over charge of Loco, if Flasher light glows but does not flash/blink, what action would you take? (a) a) Fail the loco b) Will work to nearest shed c) Inform PRC & work further. d) Work normally
231)	During engine starting if engine is cranking, Firing, Over speeding, OSTA Tripping and Engine shutting down the reason may be (b) a)Main Generator failure b) Taco Generator failure c)Exciter Generator failure d) Auxiliary Generator failure
232)	A goods train having 56 wagons, the FP pressure in engine shall be and in BV kg/sq.cm. (d) a)5.0, 4.6 b)5.0, 4.8 c)4.8, 5.0 d)6.0, 5.8
233)	A goods train having 58 wagons, the BP pressure in loco shall beand in BV kg/Sq.cm. (d) a)5.0, 4.5 b)6.0, 5.8 c)5.0, 4.0 d)5.0, 4.7
234)	A Railway servant directly connected with train passing duties shall not consume alcoholic drinks withinhours before commencement of duty. (c) a)2 b)5 c)8 d)10
235)	Loco pilot should exchange alright signals with the station staff to ensure(d) a)To make the station staff alert b)To tell the station staff that train crew are alert c)To ensure the availability of station staff d)To ensure the train passing safely
236)	By applying A-9 formation brakes are not applying, Reason might be (a) a)A-9 COC in working control stand is in closed condition b)Bogie COCs are in closed condition c)Train running at excess speed d)Last vehicle rear BP angle cock is in open condition
237)	On run if Air Flow Indictor overshoots with jerk indicates (d) a)Air brake failure b)Loco failure c)Air flow indicator defective d)Train Parting
238)	While working LE's Loco Pilot should to Stop the Locomotive. (b) a) apply A-9 brake b) apply SA-9 and Dynamic Brakes c) apply Hand brakes d) close the throttle to zero.
239)	Locos provided with Cast Iron brake blocks requiresthan the Locos provided with Composite brake blocks (a)

	a)More braking distance b)Less braking distance c)frequent change of brake blocks d)BC pressure 3.8 kg/cm2	;
240)	If train stopped in mid section on account of Loco Failure Loco pilot should doimmediately (b)	
	a)Inform TLC/PCOR b)Put on Flasher Light, Apply A-9,SA-9, wooden wedges and secure formation. c)Ask for relief Loco d)Attend the Locomotive	
241)	Revised VCD cyclic timings are (a) a)60, 8 and 8 seconds b) 60,17 and 17 seconds d)65,8 and 8 seconds (a) c)170, 17 and 17 seconds	
242)	While working LE's Loco pilot should check and ensure before starting.(c) a)Head light b)Flasher Light c)Brake Power physically and not moving of Loup to 2nd Notch on application of SA-9 d)Marker Lights	
243)	Use of Dynamic Brake is To raise the engine RPM (a) a)To control the train and to maintain constant speed at PSR, TSR and Loop lines b)To nullify the conjunctional brakes c)To stop the train d) none	
244)	When LE loco brakes are not applying check a)SA9 COC b)MU2B c)BC COC & Pressure d)All	
245)	When loco working as banker the position of MU2B & BP isolation COC (a) a)Lead & close b)Trail & open c)All d)None	
246)	Immediate action when BP is not destroying with A9 during controlling of train(b a)Open A9 COC in Non-working cont. standb)Apply D1 Emergency c)Change the Control stand d)Adjust BP pressure)
247)	Important test should be done before leaving station for a train (c) a)Brake feel test b)Brake power test c)Air continuity test d)All	
248)	What test must be done by LP while leaving station with what speed (a) a)Brake feel test, 15 KMPH b)Brake power test, MPS c)Working of DB, 15 KMPd)None	PH
249)	If an Air Brake train stopped on a gradient of 1/400 & above due to any reason, which brakes should be apply. (c) a)SA 9 only b)A9 only c)SA 9 & A 9 d)Hand brake	
250)	After detaching Loco from formation which safety aspect should be checked before working LE. a)Continuity test b)Traction test c)Loco Brake power test d)leakage test	
251)	While TOC of Loco, If Flasher light glows but does no blink, what action would you take. (a) a) Fail the loco b)Will work to nearest shed c)Change the bulb d)Work normally	

252)	How would you work the train if the loco wheel develops skid mark more than 50 mm between section? (c)								
	a) Fail the loco at site b) Work with 40 KMPH c) Clear section below 30 KMPH d) None								
253)	allowed for on-ward journey (b)								
254)	a) Without check b) After certified by TXR c)With 10% less speed d)80 KM What immediate action would you take on noticing sudden drop of BP pressure on (c)								
	a) Stop the trainb) Contact Guard on VHFc) Switch on Flasher lightd)Inform PRC								
255)	When Head light becomes defective speed of the train shall not exceed? (c) a) 20 kmph b) 30 kmph c) 40 kmph d) 50 kmph								
256)	What should be done by LP for releasing proportional loco brakes during A9 application? (c) a) Pressing BKIV foot pedal b) Application of DB c) Either A or B d) Nor	ıe							
257)	The lead /Trail switch position in console of WDG4/WDP4 working as MU trailing is (a) Trail b) Lead c) Both d) None								
258)	If BP & FP pipes are wrongly connected will fail. (b) a) Loco is failed b) Formation Brakes c) Loco brakes d)All								
259)	What action should be taken by LP when loco fails on run in section? (c) a) Clear section and stop b) Trouble shoot first c) Stop & secure first d) Inform								
260)	In case of Brake binding in air brake wagon, what additional action would you take than releasing of brake? (a) a) Isolate DV b) Isolate BC c) Isolate TP cock d) Close BP angle coc	other							
261)	What is the initial charging time approximately of a single pipe air brake train? (a) 10-15 minutes b) 15-20 minutes c) 20-25 minutes d) 25-30 minute	,							
262)	What is the initial charging time approximately of a twin pipe air brake train? (a a) 10-15 minutes b) 15-20 minutes c) 20-25 minutes d) 25-30 minute								

263)	Are BP & FP of an air brake	•	be kept OPE	EN always in an	isolated coach	n/wago	n (a)
	a) Yes	b) No	c) None of	two above	d) Above a	ıll		
264)	a goods train a) Full brake a		LP. b) S	air flow indicated angle coc of a sample coc of a sample coc of a samplication and a samplication are samplicated as a samplication and a samplication are samplicated as a samplication are samplicated as a samplication are samplicated as a samp	elosed	n of (c)
265)	a) Secure loca		mation c) [ducting Air bra Detach loco and		GM loo Secure		
266)	a) Disable wo	rking control s	stand & enabl	onsol in WDG on the non working e non working	control stand	os? (a)
267)	If hot oil determine a) Engine cond) No effect	ctor operates _ nes to Idle		Engine will Shu	t down c) I	(Load m	b neter	
268)	-			tional brake ap	plication c) I	(Format	b ion t) orakes
269)	If battery am a) BS open	meter is showi b) MB1 tripp	-	ging, what may c) Battery c		O (AGFB	c tripp) ped
270)	be taken? a) BS to be op			ve battery, the b) Shut dov d) No actio	wn the engine		a)
271)	If battery amr a) BS open	neter shows ov b) MB1 tripp		what may be th		(AGFB) ed
272)	If BA shows of be taken?	over charging of	due to defecti	ve VRP, the fo	llowing action	is to	a)
	a) AGFB off	b) Shutdown	the Engine	c) Idle	d) No action	on requ	ired	
273)	What is the pu	urpose of VRP rd battery	?	b) To safeg	uard control ci	`	c)

	c) To maintain 72 V irrespective of engine speed d) To safeguard driver
274)	If battery ammeter shows discharging, what may be the reason? (d) a) AGFB Tripped b) VRP Fuse Blown out c) Cards Slack(BX,BN) d) All
275)	If battery ammeter shows discharging what should be checked on VRP? (b) a) AGFB b) Fuse c) MB1 d) Battery Knife Switch
276)	If Battery ammeter shows discharging and not rectified what is the action to (d) be taken? a) Work for 4 Hours b) Do not Shut down c) Do not allow for Automatic Shut Down.
277)	d)All of the above What is the reason for battery ammeter showing ZERO? a) Battery Switch Open b) AGFB Tripped c) VRP Defective d) AUX. GEN. Defective
278)	If engine is not cranking what is the switches to be checked? (d) a) Battery Knife Switch b) Engine Control Switch c) MUSD Switch d)All
279)	If engine is not cranking which switch is to be checked in nose compartment?(a) a) Battery Knife Switch b) Engine Control Switch c) MUSD Switch d) Start Switch
280)	If engine is not cranking which switch is to be checked on the front panel? (c) a) Battery Switch b) MUSD c) ECS d) GF Switch
281)	If engine is not cranking which contactors are to be checked? (d) a) FPC Contactor b) CK1 Contactor c) CK2 Contactor d) All the above
282)	For engine cranking what should be MUSD & ECS position? (b) a) RUN, RUN b) RUN, IDLEc) STOP, RUN d) STOP, IDLE
283)	What should be checked if engine shutdown with over speed? a) OSTA b) SAR c) Governor Am phenol plug d) Fuel pump motor
284)	What should be checked if engine shutdown on run with indication? (b) a) OSTA b) LWS c) SAR d) Governor Am phenol plug
285)	What happens if Amphenol plug is slack on run in WW governor loco? (a) a) Engine Idle, Load meter zero b) Only Load meter zero c) Only engine
idle	d) Engine shutdown

286)	a) Fireman emergency b) ACP c) Guard application d) All the above	
	a) Theman emergency b) There c) Guard application a) Thi the above	,
287)	What is the effect of AFL operation? (d))
	a) Engine comes to idle b) AFL Indicationc) Buzzer d) All the above	
288)	What is the effect if A9 is applied in emergency position? (b))
	a) AFL Operates b)Engine idle with full brakes c)Only loco brakes get applied d)No effect	
289)	Which item is used to reset AFL? (a))
	a) SW1 & SW2 b) SP1 & SP2 c) MCB1 & MCB2 d) MFPB1 & M	IFPB2
290)	To reset only Buzzer what is the action required by the Driver? (c))
	a) SW1 &SW2 b) SP1 &SP2 c) Switch On normal flasher light and SW1&SW2 Off d) All the above	
	c) Switch On normal hasher light and SW 1825 W2 Off a) All the above	
291)	To get quick charging of BP which should be operated? (b) SW1 &SW2 b) SP1 & SP2 c) MCB1 & MCB2 d) MFPB1 & MFPB2	١
292)	If AFL Malfunctions, what is the action to be taken? (b)	١
<i>2,</i> 2,	a) Tampering of pressure switches b) 171 Wire disconnection c) Pack DMR d) Fail the loco	
293)	What should be the control air pressure? (a))
	a) 5Kg/Cm ² b) 6Kg.Cm ² c) 8.5Kg/Cm ² d)9.5Kg/Cm ²	
294)	How do you adjust control air pressure? (c))
	a) A9 Feed valve b) SA9 Feed valve c) Limiting Valve d) HS4 Valve	
295)	Improper control air pressure leads to (d))
	a) Power Contactors fluttering b) Flash Over c) Power Ground d) All the above	ıd
296)	d) All the above If Head light fails what is the action to be taken by the Drivers? (b)	1
	a) Fail the loco b) Follow G&SR Rules	
297)	c) Work with classification lights d) Work normally If engine shuts down with hot engine alarm which safety device operates? (b)	
271)	a) ETS b) LWS c) SAR d) OPS B	
298)	If engine is running with Hot engine alarm which safety device is operated?(c))
	a) LWS b) OPS c) ETS d) SAR	
299)	BP pressure in Alco locomotive is kg/cm ² (b))

300)	FP pressure in	Alco locomotiv	e is	kg/c	em²	(c)
	a) 3.5	b) 5	c) 6	d) 8				
301)	Fuel oil relie	f valve is set at _		kg/cm² in Alco	locomotive	(b)
	a) 4.5	b) 5	c) 6	d) 8				
394.	Tappet clearand	ce in ALCO is				(c)
		b) 0.02		c) 0.034"	d) 0.040"	ì		
302)	Main Bearing	elongation is				(d)
	a) 0.010"	b) 0.02	0"	c) 0.030"	d) 0.040"			
303)		torque is			,	(c)
	a)400	c) 500		c) 550	d) 600			
304)	Maximum Bra	ke cylinder press	sure wi	th SA9 in WDG	3 4	(d)
	a) 4 kg/cm ²	b) 3.5 kg/cn	n ²	c) 1.8 kg/cm ²	d) 5.2 kg/cm ²			
305)	Maximum Bra	ake cylinder pres	sure w	ith A9		(c)
	a) 5 kg/cm ²	b) 3.5 kg/cn	n^2	c) 1.8 kg/cm ²	d) 5.2 kg/cm ²			
306)	Horse power o	of WDG3A loco	is			(c)
	a)2600	b) 3600		c) 3100	d) 4000			
307)	Horse power of	of WDG4 loco is				(b)
	a)2600	b) 4500		c) 3100	d) 4000			
308)	Horse power o	of WDM2 loco i	S			(a)
	a) 2600	b) 4500		c) 3100	d) 4000			
309)	Control air pre	essure in Alco loc	eo	kg/cm²		(c)
	a)3.5	b) 4		c) 5	d) 6			
310)	Number of Ma	ain bearings in W	VDG3A	A locomotive		(c)
	a)7	b) 8		c) 9	d) 10			
311)	Fuel tank capa	acity in WDG3A	loco is	3	liters.	(c)
	a)5000	b) 5500		c) 6000	d) 4000			
312)	Pinion to Bull	gear ratio in WD	M2 lo	co is	(b)		
	a)18:74	b) 18:65		c) 17:77	d) 17:90			
313)	Pinion to Bull	gear ratio in WI	OG3A	loco is		(a)

a) 3.5 b) 5 c) 6 d) 8

	a)18:74	b) 18:65	c) 17:77	d) 17:90				
314)	Pinion to	Bull gear ratio in	WDP4 loco is		(c)		
	a) 18:74	b) 18:65	c) 17:77	d) 17:90				
315)	Pinion to	Bull gear ratio in	WDG4 loco is			(d)
	a)18:74	b) 18:65	c) 17:77	d) 17:90				
316)	WDM3A	loco is having	no. of brake bloc	ks		(b)
	a)12	b) 24	c) 36	d) 16				
317)	Pinion to	Bull gear ratio in	WDM3A loco is _			(b)
	a)18:74	b) 18:65	c) 17:77	d) 17:90				
318)	In WDM	3A loco FTTM is	s driven with			(b)
	a)Belts	b) Gear c) H	Hydraulic pressure	d) Electric motor				
319)	In WDM	I3A loco RTTM	is driven with			(a)
	a)Belts	b) Gear c) H	Hydraulic pressure	d) Electric motor				
320)	Type of tr	ransmission in WI	DM3A loco			(b)
	a)DC-A	C b) AC-DC	c) DC-DC	d) AC-AC				
321)	Type of tr	ransmission in WI	OG3A loco			(b)
	a)DC-AC	b) AC-DC	c) DC-D	C d) AC	:-AC			
322)	Type of tr	ansmission in WI	OG4 loco			(d)
	a)DC-A	C b) AC-DC	c) DC-D0	d) AC	C-AC			
323)	Type of tr	ansmission in WI	DP4 loco			(d)
	a)DC-A	C b) AC-DC	c) DC-D	C d) AC	-AC			
324)	In Alco le	oco LWS is located	d in			(c)
		Compartment ator room	b) Driven cabin	c) Compresso	or Com	ıpar	tmen	ıt
325)	No. of po	ositions in A9 valve	e			(d)
	a)2	b) 3	c)	4 d) 5				
326)	In Alco lo	ocomotive Battery	knife switch is locate	ed in		(a)
	a) Nose	Compartment	b) Driven	cabin				
	c) Comp	oressor Compartme	ent d) Radiate	or room				
327)	Type of e	ngine in Alco loco				(c)
	a)2 Stro	ke b) SI	c) 4 Stroke	d) None				

328.	Torque value	of water jumpe	er in Alco loco	(in ft-lb)		(b)	
	a)50	b) 75	c) 100	d) 125	í				
329.	No. of position	ns in SA9 valv	e			(b)	
	a)5	b) 2	c) 3		d) 4				
330.	In Alco loco f	uel oil regulati	ng valve is set a	nt kg/cm²		(b)	
	a)3	b) 4	c) 5		d) 6				
331.	In Alco loco lu	ube oil relief v	valve is set at _	kg/cm²		(d)	
	a)6	b) 7	c) 8		d) 9				
332.	In WDG3A lo	co max. exhau	st gas temperat	ure is°C		(b)	
	a)500 b) 525	c) 600	0 d) 625						
333.	In Alco loco c	ompressor is c	ooled by			(c)	
	a)Oil	b) Water		c) Air	d) None				
334.	In WDG3A lo	co compressio	n ratio is			(c)	
	a)12.5:1	b) 15	:1 c) 11.	75:1	d) 16:1				
335.	VCD penalty	takes place afte	er sec.			(b)	
	a)86	b) 76	c) 96		d) 68				
336.	MR safety val	ve is set at	kg/cm ²			(d)	
	a)8	b) 8.5	c) 10	d) 10	5				
337.	In Alco loco E	EPG is located	in			(c)	
	a)Driver cab b) Nose compartment c) Compressor compartment d) Ra						or ro	om	
338.	In AC-DC loc	omotives engi	ne is cranked by	7		(d)	
	a)Main Genera	ator b) Au	xiliary Generat	or c) Exc	iter Generator	d)	Aux	xiliary &	
	Exciter Generator								
339.	In Alco Tracti	on Motor gear	case is having	no. of bolts	S	(c)	
	a)5	b) 6	c) 7	d) 8					
340.	To find out BI	P leakage in th	e formation	is provid	ed	(b)	
	a)BP gauge b) Air Flow Indicator c) FP gauge d) Spy glass								
341.	In Alco loco, if water level comes down below 1" from bottom of tank _						safety		
	device will op	erate				(c)	
	a) PCS	b) OSTA		c) LWS	d) LLO	ЭВ			
342.	Wheel numbers to which brake blocks get applied when hand brake is ap						l in		
	WDG3A loco					(b)	
	a)L1,L2	b) R1,R2	c) L1,	R1	d) L2,R2				

343.	Dust exhaust motors are available for type of filters	(b)
	a)Car body b) Cyclonic c) Air maize d) None			
344.	The safety device provided in brake system is	(b)
	a)LLOB b) PCS c) LWS d) OSTA	-		
345.	In Alco loco Sanders are operated through pressure	(a)
	a) MR1 b) MR2 c) FP d) None			
346.	Rectifier converts	(a)
	a)AC to DC b) DC to AC c) DC to DC d) AC to AC			
347.	Inverter converts	(b)
	a)AC to DC b) DC to AC c) DC to DC d) AC to AC			
348.	Idle RPM of WDG3A locomotive is	(b)
	a)350 b) 400 c) 450 d) 500			
349.	8th RPM of WDG3A locomotive is	(d)
	a)400 b) 950 c) 1000 d) 1050			
350.	Low Idle RPM of WDG3A locomotive is	(a)
	a)350 b) 400 c) 450 d) 500			
351.	Fabricated bogie is available in locomotive	(c)
	a)WDM3A b) WDG4 c) WDG3A d) WDP4			
352.	Type of bogie available in Alco loco locomotive	(b)
	a)BO-BO b) CO-CO c) BO1-1BO d) HTSC			
353.	Horse power of WDM3D locomotive is	(c)
	a)2600 b) 3100 c) 3300 d) 4000			
354.	In HHP locomotive engine cylinders are cooled by	(c)
	a) Water b) Oil & water c) Super charged air & Water	d) Nor	ne	
355.	Type of bogie available in WDG4 locomotive is	(c)
	a)Tri mount b) Fabricated c) HTSC d) None			
356.	Number of brake cylinders in WDM3A locomotive is	(b)
	a)4 b) 8 c) 10 d) 12			
357.	Reduction in BP pressure causes	(c)
	a)Brakes release b) Brakes slow release			
	c) Brakes application d) MR pressure increasing			
358.	WDM3A loco is having no. of brake blocks	(b)
	a)12 b) 24 c) 36 d) 16			

<i>3</i> 39.	Pinion to Bu	n gear ratio in wi	OM3A 1000 18		(D)
	a)18:74	b) 18:65	c) 17:77	d) 17:90			
360.	In Alco loco	fuel oil relief valve	e is set at kg/c	rm²	(a)
	a) 5	b) 2	c) 3	d) 4			
361.	In Alco loco	fuel oil regulating	valve is set at	kg/cm²	(b)
	a) 3	b) 4	c) 5	d) 6			
362.	VCD penalty	takes place after _	sec.		((b)
	a) 86	b) 76	c) 96	d) 68			
363.	MR safety va	alve is set at	_ kg/cm²			(c	1)
	a) 8	b) 8.5	c) 10	d) 10.5			
364.	In Alco loco	EPG is located in				(c)
	a) Driver ca	ıb	b) Nose com	partment			
	c) Compres	sor compartment	d) Radiator re	oom			
365.	In AC-DC lo	comotives engine	is cranked by			(d)
	a) Main Gen	erator b) Auxil	liary Generator c) E	xciter Generator			
		d) Auxiliary & Ex	citer Generator				
366.	In Alco Trac	tion Motor gear ca	se is having no	. of bolts	(c)
	a)5	b) 6	c) 7	d) 8			
367.	To find out I	BP leakage in the f	formationi	s provided	(t)
	a)BP gauge b) Air Flow Indicator c) FP gauge d) Spy glass						
368.	In Alco loco, if water level comes down below 1" from bottom of tank						_
	safety device	will operate			(c)
	a)PCS	b) OSTA	c) LV	VS d) L	LOB		
369.	Wheel numb	ers to which brake	blocks get applied	when hand brake is a	pplied	in	
	WDG3A loc	o			(b)
	a)L1,L2	b) R1,R2	c) L1,R1	d) L2,R2			
370.	Dust exhaust	motors are availab	ole fortype	of filters	(b)
	a)Car body	b)Cyclonic c) Air maize	d) None			
371.	The safety de	evice provided in b	orake system is		(b)
	a)LLOB	b) PCS	c) LWS	d) OSTA			
372.	In Alco loco	Sanders are operat	ed through pr	essure	(a)
	a)MR1	b) MR2	c) FP	d) None			

373.	Rectifier converts	(a)
	a)AC to DC b) DC to AC c) DC to DC d) AC to AC			
374.	Inverter converts	(b)
	a)AC to DC b) DC to AC c) DC to DC d) AC to AC			
375.	Idle RPM of WDG3A locomotive is	(b)
	a)350 b) 400 c) 450 d) 500			
376.	8th RPM of WDG3A locomotive is	(d)
	a)400 b) 950 c) 1000 d) 1050			
377.	Low Idle RPM of WDG3A locomotive is	(a)
	a)350 b) 400 c) 450 d) 500			
378.	Fabricated bogie is available in locomotive	(c)
	a)WDM3A b) WDG4 c) WDG3A d) WDP4			
379.	Compressor lube oil pump is driven by	(a)
	a) Chain b) Gear c) Belt d) Motor			
380.	The exhaust manifold is connected to the part of TSC	(a)
	a)Gas Inlet casing b) Intermediate casing c) Turbine casing			
	d)Blower casing			
381.	If white smoke is emitting from exhaust chimney, what could be the re	ason		(a)
	a) Water mixed with fuel oil b) Governor oil mixed with fuel o	oil		
	c) Lube oil mixed with fuel oil d) none of these			
382.	What is the Rundown test timing (in seconds) of Napier Turbo?	(b)
	a)120 to 200 b) 25 to 65 c) 90 to 180 d) 200 to 280			
383.	Water leaking continuously from water telltale pipe	(b)
	a) Dummy it work b) fail the loco			
	c) Do fast pumping d) work on lower notches			
384.	The rundown test of Napier is to be conducted on notch	(a)
	a)Idle b) 4 c) 6 d) 8			
385.	Hot Engine Alarm will come at °C in WDG3A locos	(c)
	a)60 b) 70 c) 90 d) 80			
386.	Electro Pneumatic Governor is located in	(a)
	a)Compressor room b) Radiator room c) Nose compartment d)	none		
387.	During MR efficiency test in WDG3A loco, kg/cm² MR pressure	should	l be	created
	within minutes.	(c)

	a)7, 5 b) 8, 4 c) 1	(0, 3 d)	5, 5			
388.	No. of Brake cylinders in Alco loco)
	a)4 b) 8	c) 12	d) 10			
389.	In Alco loco Lube oil filte	r drum is loca	ted in	(a)
	a) Radiator Room	b) Genera	tor room			
	c) Nose compartment	c) Nose compartment d) Engine room				
390.	How many kinds of Brake	es are provided	d in WDG3A/WDG4 loco	(b)
	a) 2 b) 5	c) 4	d) 6			
391.	LWS is connected to			(b)
	a)Water left side return he	eader b)	Water expansion tank			
	c)Water right side return h	neader d)	All the above			
392.	MR pressure unloading ta	kes place at _	kg/cm²	(a)
	a)10 b) 8	c) 12	d) 10.5			
393.	From where the control ai	r pressure gets	s charged	(a)
	a) MR1 b) MR2	c) FP	d) BP			
394.	Lube oil dipstick gauge of	WDG3A is h	aving liters capacity	(c)
	a)400 b) 380 c) 6	600 d)	500			
395.	Fuel pump motor is not working though all circuit breakers are switched					reason
	may could be			(d)
	a) ERF not closed	b) R1 & F	R2 not picked up			
	c) GFC not picked up					
396.	On what notch the run down test of ABB turbo is to be conducted)
	a) Idle b) 4	c) 6	d) 8			
397.	Reduction in BP pressure	causes		(c)
	a) Brakes release	b)	Brakes slow release			
	c) Brakes application	c) Brakes application c) MR pressure increasing				
398.	In nomenclature of DE loc	comotives, the	e last two digits denote	(b)
	a) Weight of loco b) I					
399.	Fuel oil crossover flexible	pipe is locate	ed in	(c)
	a) Nose compartment	b)	Radiator room			
	c) Engine Power take off					
400.	After cooler cooled air in	'V' channel is	called as	(d)
	a)Control air pressure	b) HS4 p	pressure			

	c)Conjunction pressure d) Booster air pressure			
401.	The compressed air enters to MR1 tank through	(c)
	a) MRSV b) MR2 c) MR cooling coil d) Air dryer			
402.	Compressor Inter cooler safety valve is set at PSI	(c)
	a)100 b) 80 c) 60 d) 40			
403.	In WDG3A loco ¾ coc (BP coc) is located in	(b)
	a) LP cab b) Nose compartment c) S/H Control stand d) None			
404.	ABB Turbo effective Rundown time is seconds	(b)
	a)100 to 180 b) 120 to 200 c) 25 to 65 d) 90 to 180			
405.	In WDG3A high adhesion bogie the loc body weight is supported			
	on bogie frame through	(a)
	a) 4 load pads b) Centre pivot c) Centre pivot & side bearers d) side s	prin	gs	
406.	In WDG3A loco on each truck no. of hydraulic dampers			
	are provided	(d)
	a) 5 b) 2 c) 8 d) 6			
407.	is provided on WDG3A bogie to avoid run out of bogie			
	from chassis	(c)
	a)Centre pivot b) side bearers c) D shackles d) side stoppers			
408.	On WDG3A each truck is fitted with			
	arrangement of traction motors	(d)
	a)LLL b) LRR c) LRL d) LLL & RRR			
409.	In WDG3A loco when A9 is brought to Emergency position, action			
	takes place in Auto Flasher system is	(a)
	a) DMR de-energize b) BKT will come to braking			
	c) GFOLR will trip d) Flasher light will glow			
410.	Power contactors fluttering is due to	(c)
	a) Less magnetism b) Load meter defective			
	c) Less control air pressure d) Week batteries			
411.	The following may be used for fast charging of BP in WDG3A	(c)
	a) Release position of A9 b) Foot pedal c) SP1 d) SW1			
412.	In WDG3A loco whenever BP drops below kg/cm²			
	Other than A9 operation Auto flasher will come	(b)

	a)4.2 b) 4.4	c) 4.3	d) 4.0						
413.	In Twin beam head lights ve	olts halog	gen lamps ar	e used	(c)		
	a)72 b) 32	e) 24	d) 20						
414.	In twin beam head light system	n in DC-I	OC converter	if one unit is defective	e the	star	nd b		
	unit can be brought into function	on by			(a)		
	a)Operating change over switch	h on DC-	DC converte	er					
	b)By changing to other control	stand							
	c) By replacing bulb	d)	none						
415.	In MCBG loco Actuator/Senso	or unit is l	located at		(d)		
	a) Compressor compartment	b)	Excitation F	Panel					
	c) LP cab	d)	Existing loc	cation of Governor					
416.	In MCBG loco when shut dow	n occurs	due to over s	speed					
	initiated by MCBG, it should b	e acknow	wledged by		(a)		
	a) Resetting push button	o) OST te	est key switch	h					
	c) Power switch	d) GFOL	R reset butto	n					
417.	The conventional Electronic ty	pe excita	tion system	is					
	replaced with				(a)		
	a) Microprocessor b) Static	type	c) Shunt type	e Self Excitation					
418.	Breather valve is provided on				(c)		
	a) Governor b) LP Ca	ab	c) Compress	or d) Main gene	rator				
419.	In MU trailing loco during parting, trail position changes to								
	Lead position in brake system through)		
	a) D1 pilot air valve b) MU2B c) C2 relay valve d) F1 selector valve								
420.	FP pressure is charged from				(a)		
	a) MR1 b) MR2	c) MR Eq	_l ualizing	d) None					
421.	MREq pressure is charged from	m			(a)		
	a) MR1 b) MR2	c) MR Eq	_l ualizing	d) None					
422.	Sanders are operated from				(a)		
	a) MR1 b) MR2	c) MR Eq	_l ualizing	d) None					
423.	Horns are operated from				(a)		
	a) MR1 b) MR2	c) MR Eq	_l ualizing	d) None					
424.	Wipers are operated from				(a)		
	a) MR1 b) MR2	c) MR Eq	_l ualizing	d) None					

425.	Sensitivity of DV is			(a)
	a)0.6 kg/cm ² in 6 sec b) (0.6 kg/cm ² in 60	sec			
	c)0.3 kg/cm ² in 60 sec d) I	None				
426.	In banker loco 3/4 th cock s	should be in	position	(b)
	a)Open b) close	c) 'a' or 'b'	d) None			
427.	Maximum BC pressure in	kg/cm² with SA	A9 in Alco loco	(a)
	a) 3.5 b) 1.8	c) 5.0	d) 5.2			
428.	Maximum BC pressure in	kg/cm² with A9	in Alco loco	(b)
	a) 3.5 b) 1.8	c) 5.0	d) 5.2			
429.	Purpose of F2 feed valve	is to charge		(b)
	a) BP b) FP	c) MREQ	d) BCEQ			
430.	In Alco loco IRAB1 brake	e system to nulli	fy conjunction brake			
	temporarily is used			(d)
	a)SA9 release b) S	SP1 c) S	W1 d) Foot peda	1		
431.	In Alco loco SP1 is provid	led for		(b)
	a)Over charging b) (Quick charging	c) resetting AFL	d) resetting	g VC	'D
432.	In Alco loco MV27 switch	n is provided fo	r	(a)
	a) Over charging b) (Quick charging	c) resetting AFL	d) resetting	g VC	'D
433.	In IRAB1 system, conjunc	ction brakes wil	l come due to valv	re (b)
	a)C2 Relay valve b) I	Distributor valve	e c) MU2B d) No	one		
434.	In MU lead loco MU2B p	osition should b	e	(a)
	a) Lead b) 7	rail c) D	d) None			
435.	In MU trail loco MU2B p	osition should b	e	(b)
	a) Lead b) 7	rail c) be	oth a & b d) None			
436.	In Alco locomotive MR of	eut in pressure (i	in kg/cm²)	(c)
	a)5 b) 10	c) 8	d) 6			
437.	In Alco locomotive MR of	eut out pressure	(in kg/cm²)	(b)
	a)5 b) 10	c) 8	d) 6			
438.	No. of lube oil filters in lu	be oil filter drui	m of WDM3A loco	(b)
	a)4 b) 8	c) 10	d) 12			
439.	In Alco loco lube oil coole	er is located in		(c)
	a) Nose compartment b) Engine room	c) Radiator compartme	nt d) None		
440.	Number of belts in RTTM	blower pulley		(b)

	a)4 b) 6 c) 8 d) 2			
441.	In Alco loco lube oil pump is driven by	(a	
	a) Extension shaft gear b) Electrical motor c) Belt d) i	none		
442.	Cam gears are lubricated by	(b)
	a) Main header b) Auxiliary header c) both a & b d) None			
443.	In Wood ward governor loco LLOB tripping is set at			
	kg/cm² in Idle	(a	
	a) 1.3 b) 2.5 c) 3.5 d) 5.0			
444.	In Wood ward governor Loco LLOB tripping is set at			
	kg/cm ² in 8 th notch	(c)
	a)1.3 b) 2.5 c) 3.5 d) 5.0			
445.	Air flow indicator gives indication to LP about	(b)
	a) FP leakage b) BP leakage c) MR leakage d) None			
446.	safety device is provided to prevent			
	traction motors from damages	(c)
	a) ESR b) SR c)WSR d) GFOLR			
447.	L5 HP pipe line is cracked	(b)
	a) Fail the loco b) Lock rack of L5 c) lock left side racks d)	Ignore		
448.	When GF contactor is packed loco can be worked in	(c)
	a) by manual transition b) only in parallel			
	c) series parallel d) normal			
449.	During dynamic braking valve avoids loco brake to apply	(c)
	a) C2 relay valve b) Additional C2 relay valve c) BKIV d) S	SA9		
450.	In IRAB1 brake system PCS2 picks & drops at	(d)
	a)4.0 & 4.5 kg/cm ² b) 1.3 & 1.6 kg/cm ²			
	c)2.5 & 3.0 kg/cm ² d) 4.0 & 2.8 kg/cm ²			
451.	If electrolyte leaks from battery, will happen	(a)
	a) Starting ground b) battery discharging			
	c) Non-explosive power ground d) engine shut down			
452.	If explosion door burst,	(a)
	a) Fail the loco b) wait for second time			
	c) Work on 4 th notch d) work up to destination			
453.	Engine having 5 kg/cm ² and BV having 4.0 kg/cm ² of BP	(d)

	then test to be conducted			
	a) Efficiency b) Continuity c)Blockage d) Leakage			
454.	test is to be conducted while clearing stabled loads	(c)
	a) Blockage b) Leakage c) BP continuity d) Efficiency			
455.	To find out leakage in the formation is provided	(a)
	a) Air flow indicator b) Main Reservoir c) BP gauge d) Spy glass			
456.	In WDG3A, if Hand brake is applied, brakes will apply to			
	wheels	(b)
	a)L1,L2 b) R1,R2 c) L3,L4 d) R3,R4			
457.	In expansion tank, if water level comes below 1" from			
	bottom of tank safety device will operate	(c)
	a)LLOB b) PCS c) LWS d) OSTA			
458.	When train parting on run will operate to bring			
	engine speed to Idle	(a)
	a) PCS2 b) P1 c) P2 d) Both b & c			
459.	In short hood control stand duplicate breaker is provided	(d)
	a) MCB b) MFPB c) AGFB d) ERF			
460.	The safety device provided in brake system is	(b)
	a)LLOB b) PCS2 c) OSTA d) LWS			
461.	Dust exhaust motor is available for	(b)
	a) Car body filters b) Cyclonic filters c) Air maize filters d) all	of the	e abo	ove
462.	If radiator room door remain open position will be experienced	(b)
	a) Engine shut down b) Hot Engine c) Load meter not responding d) Nor	ne	
463.	Control air pressure is controlled by	(b)
	a) F2 feed valve b) Limiting valve c) MU2B valve d) F1 selection	ctor v	alve	•
464.	The traction motor gear case is having no. of bolts	(a)
	a) 7 b) 5 c) 4 d) 8			
465.	In WDM3A loco LLOB prevents engine damages due to lack of	(b)
	a) water a)cooling b) lubrication c) governor oil supply d) None of	of the	ese	
466.	³ / ₄ " COC is between &	(a)
	a) Additional C2 relay valve & BP pipe			
	b) MR2 & Additional C2 relay valve			
	c) C2 relay valve & Brake cylinder			

	d) None of these						
467.	In WDG3A LWS located in	(b)			
	a) Engine room b) compressor room c) Radiator room d) Ger	nerat	or ro	om			
468.	N1 reducing valve/Limiting valve is provided in	(b)			
	a) Engine room b) Nose compartment c) Radiator room d) General	erato	r roc	m			
469.	In WDM3A axle boxes are lubricated by	(c)			
	a) Lube oil b) Cardium compound c) soft grease d) ha	rd g	rease	;			
470.	N1 reducing valve/Limiting valve is used to control pressure	(c)			
	a) BP pressure b) FP pressure c) Control air pressure d) M	Ir pro	essur	e			
471.	Malfunctioning of LWS leads engine to	(c)			
	a) Idle RPM b) 4 th notch RPM c) Shut down d) Not	ne of	thes	se			
472.	Number of Brake cylinder COCs on WDM3A locomotive	(a)			
	a) 2 b) 4 c) 6 d) 8						
473.	One the reason for MR pressure not building up is	(b)			
	a) Safety valve dummied b) Inter cooler tubes burst						
	c) ABD valve not working d) engine hunting						
474.	Position of EPG switch on control stand in rear loco of MU is set	(c)			
	a)Neutral b) ON c) OFF d) Close						
475.	Auto flasher light comes into action if	(c)			
	a) A9 applied b) SA9 applied						
	c) Unauthorized drop in BP due to ACP, train parting etc.						
	d) Dynamic brake applied						
476.	Flat tyre happen	(d)			
	a) If hand brake in applied condition						
	b) If SA9 is applied instead of A9 on run						
	c) Wheel is not rotating due to TM bearing seize or obstruction in gear case						
	d) All the above						
477.	Problem in brake power is due to	(d)			
	a) A9 COC in both control stands in open condition						
	b) A9 COC in both control stands in closed condition						
	c) For loaded rake load/empty device is in empty direction						
	d) All the above						
478.	AFL gets operated during	(d)			

	a) D1 emergency	b) ACP	c) Guard application	d) all the abo	ve		
479.	Control air pressure in	loco			(a)
	a) 5 kg/cm ²	b) 6 kg/cm ²	c) 8 kg/cm ²	d) 10 kg/cm ²			
480.	In AC-DC locomotive	s engine is cra	anked by		(b)
	a) Main Generator	b) Au	xiliary generator & Exc	citer generator			
	c) Auxiliary generator	d) Exe	citer generator				
481.	Whenever cattle run o	ver takes plac	e, if BP dropped due to	front side BP	angle	e CO	C is
	broken, LP has to clos	e COC to	maintain BP		(c)
	a)BC COC b) A9 (COC c) from	nt side additional BP ar	igle COC d) 3	⁄4" C	OC	
482.	type of bogie is p	orovided in W	DM3A locomotive		(a)
	a) CO-CO tri mount be	ogie					
	b) CO-CO tetra mount	high adhesio	n bogie				
	c) CO-CO flexi coil bo	ogie					
	d) BO-BO tri mount b	ogie					
483.	type of bogie is p	provided in W	DG3A locomotive		(b)
	a) CO-CO tri mount bogie						
	b) CO-CO tetra mount high adhesion bogie						
	c) CO-CO flexi coil bo	ogie					
	d) BO-BO tri mount b	ogie					
484.	When A9 is applied, n	naximum	_ kg/cm² pressure will	enter into loco	brak		inder
	a)1.5 b) 2.0	c) 1.8	d) 3.5		(c)
485.	VCD acknowledgeme	nt is done by	operating once				
	in every 60 seconds				(d)
	a) A9 application		b) operation o	f horns			
	c) Increase or decrease	of Throttle	d) any of the a	above			
486.	In conventional locos,	when VCD is	sacted		(d)
	a) Engine comes to Id	le	b) BP drops				
	c) Brakes will apply		d) all the above				
487.	For resetting VCD wa	it for sec	conds		(b)
	a) 30 b) 35	c) 60	d) 20				
488.	In IRAB1 system BP 1	oressure is adj	usted by keeping				
	A9 feed valve handle	in positi	on		(b)
	a) Full service	b) Release	c) Over reduction	d) Emergency	y		

489.	In Alco locos non-working control stand A9 handle position is	(b)		
	a) Full service b) Release c) Over reduction d) Emergence	y				
490.	When BP drops below 4.4 kg/cm² without A9 application					
	starts functioning	(c)		
	a) APU b) VCD c) AFL d) all the above					
491.	Additional C2 relay valve is meant for pressure creation,					
	Maintenance & destruction	(b)		
	a)FP b) BP c) BC d) all the above					
492.	In MU locos, MU2B position in leading loco is					
	& in trailing loco is	(a)		
	a) Lead, Trail b) Trail, Trail c) Trail, Lead d) Lead, Lead	d				
493.	brake only can be applied in stabled dead loco					
	when pneumatic pressure is zero in main reservoir	(c)		
	a)A9 b) SA9 c) Hand Brake d) No brake can be applied					
494.	Position of A9 COCs in the loco shall be	(c)		
	a) Open in both control stands					
	b) Close in working control stand & Open in Non-working control stand					
	c) Open in working control stand & Close in Non-working control stand					
	d) None of the above					
495.	Position of SA9 COCs in the loco shall be	(a)		
	a) Open in both control stands					
	b) Close in working control stand & Open in Non-working control stand					
	c) Open in working control stand & Close in Non-working control stand					
	d) None of the above					
496.	In IRAB1 system A9 feed valve has no. of positions	(b)		
	a) 2 b) 5 c) 4 d) 3					
497.	In IRAB1 system SA9 feed valve has no. of positions	(a)		
	a) 2 b) 5 c) 4 d) 3					
498.	During A9 Emergency position BP becomes kg/cm² and					
	BC becomes kg/cm²	(a)		
	a) 0 & 1.8 b) 5 & 3.5 c) 2.5 & 0 d) 0 & 0					
499.	. If emergency applied operates and engine comes to Idle					

	a) AFL	b) VCD	c) PCS2	d) P1				
500.	00. If C3W distributor valve G/P handle is placed wrongly in passenger							
	formation						a)
	a) Loco brakes will apply lately							
	b) Loco brake	es will not app	oly					
	c) Formation brakes will not apply							
	d) None							

501.	Decolourization of lube oil to grey brown or milky colour is evidence in the lube oil (a) water b) fuel oil c) carbon d) None
502.	EPG will maintain MR pressure between \kg/cm^2 to \kg/cm^2 (c) a)5 , 10 b) 10, 12 c) 8, 10 d) 10, 10.5
503.	If ETS is operated, engine RPM will (c) a) Increase b) decrease c) not be effected d) None
504.	If LWS is operated indication is displayed (c) a) Wheel slip b) PCS c) Hot engine d) none
505.	To avoid separation of chassis & bogie are provided in WDM3A locomotive (a) Collar pins & U bracket (b) D shackles (c) Both a & b (d) None of the above
506.	To avoid separation of chassis & bogie are provided in WDG3A locomotive (b) a) Collar pins & U bracket (b) D shackles (c) Both a & b (d) None of the above
507.	WDG3A loco super structure load is carried by a) Centre pivot b) load pads c) coil springs d) both a & b
508.	WDM3A loco super structure load is carried by a) Centre pivot b) side bearers c) coil springs d) both a & b
509.	In WDG3A loco FTTM blower cools traction motors (a)1,2,3 b)4,5,6 c)1,3,5 d)2,4,6
510.	In WDG3A loco RTTM blower cools traction motors (b)

511.		ts limit	ositive press gets operat plosion door	ed	(c)
512.	Horse Power a)3100			d) 4000	(b)
513.	In WDM3A a) 2			_ different speeds d) 5	(a)
514.	Air dryer is p a)MR Coolin c)Compresso	ng coil & MI	R1	b) MR1 & MR2 d) Inter cooler & After	(coole	b er)
515.	Gear case of a) Lube oil			_	(m con	d npou	,
516.	Number of translation 1			motive d) 4	(a)
517.	type of f a) Foam	_	-	ed in DE locomotives d) CO2	(b)
518.	while startin	g the train o	n gradi	e releasing loco brakes ent c) steep ascending d)	(None	c)
519.	ECC (Edddy a) Compresse c) Engine roo	or room		ed in b) Radiator room d) Generator room	(b)
520.	LLOB is pro a)Woodward		governor b) GE	c) MCBG d) l	(EP	a)
521.	If OSTA trip a) Idle	s, engine wi b) Shut dow		c) 2nd notch RPM d) i	(none	b)

522.	If ECC is short circuited breaker will trip a) FPB b) MFPB c) MCB d) MPCB	(a)
523.	If there is no control air pressure will not pick up a) Power contactors b) Breaking contactors c) Reverser contactors d) all of the above	(d)
524.	Sanders test on WDG3A to be conducted by keeping reverser handle in position a) Neutral b) Forward c) Reverse d) 'b' or 'c'	(d)
525.	Compressor efficiency test is conducted by using mm test orifice a)5 b) 7.5 c) 8 d) 10	(b)
526.	In AC-DC loco if CK3 N/C interlock is defective contactor will not pick up a) GF b) FPC c) CK1 d) CK2	(a)
527.	Starting ground occurs due to earth fault in circuit a) Control b) power c) both a & b d) None	(a)
528.	COS (Centrifugal Oil Separator) is provided in system a)Fuel oil b) lube oil c) air intake system d) none	(b)
529.	Lube oil pump is driven by a) gear b) chain c) electric motor d) none	(a)
530.	Water pump is driven by a) gear b) chain c) electric motor d) none	(a)
531.	In Alco loco Wood ward governor is located at a) Engine left side power take off end b) Engine right side power takeoff end c) Engine left side free end d) Engine right side free end	(b)
532.	Fuel oil tank capacity in WDG3A locomotive (in liters) a) 5000 b) 6000 c) 3000 d) 4000	(b)

533.	In WDM3A fuel oil primary filter is located in)
	b) Compressor room	b) Engine room			
	c) Radiator room	d) under truck			
534.	In WDM3A fuel pump motor is l	ocated in	(a)
	a) Compressor room	b) Engine room			
	- · · · · · · · · · · · · · · · · · · ·	l) under truck			
535.	Working of compressor lube oil	oump is indicated by	(c)
	a) Breather valve	b) Spy glass			
	c) Projection of brass spindle	d) Sight glass			
536.	Compressor crank case vacuum i	s maintained by	(a)
	a) Breather valve	b) spy glass			
	c) Brass spindle unit	d) CCEM			
537.	If MCBG power breaker is trippe	ed on run engine will	(a)
	a) Shut down b) come	e to Idle c) none			
538.	In Alco loco BKBL is located in		(c)
	a) Engine room	b) Compressor room			
	c) Nose compartment	d) Radiator room			
539.	BKBL gets current from		(c)
	a)Battery	b) Auxiliary gener		•	
	c)Current developed by TM during	ng DB d) Main generator			
540.		- -			
	brake cylinder for brake applic		(b)
	a) Control reservoir	b) Auxiliary reservoir			
	c) Main reservoir	d) none			
541.	Feed pipe is getting charged by _		(c	
	a) C2w relay b) F1 se	elector c) C2N d) C2	W I	OV	
542.	The super charged air in the air n	nanifold is called	(a)
	a) BAP b) CAP c) FP	d) BP			

543.	a) Only AFL opera	Engine comes to Idl			(b)	
544.	In WDG4 locomo	tive Compression rab) 12.5:	atio is c) 11.75:1	d) 16:	(:1	d)	
545.	BP pressure WDG a) 3.5	64 locomotive is b) 5	c) 5.2	g/cm² d) 8	(c)	
546.	Horse Power of W a) 3000 HP b)	DG4D locomotive (1900) 4000 HP (1900) 33	500 HP	d) 4500 HP	(d)	
547.	Type of diesel eng a)4 stroke	gine in WDG4 loco b) 2 stroke	motive c) 3 stroke	d) SI	(b)	
548.		r ratio in WDG4 lo b) 17:77	comotive c) 18:74	d) 17:90	(d)	
549.		r ratio in WDP4 loo b) 17:77		d) 17)	
550.	Maximum speed of a) 100	of WDG4 locomotion b) 150	ive c) 160	d) 180	0	a)	
551.	Maximum speed of a) 120	of WDP4 locomoti b) 150	ve c) 160	d) 18		c)	
552.	Transmission in a)DC-DC	WDG4 locomotive b) AC-AC	is c) DC-AC	d) AC	`	b C)	
553.	Fuel tank capacity a)4000	in WDG4 locomot b) 5000	ive c) 6000	d) 70	`	c)	

554.	Type of diesel eng a) Alco-251			10G3B d)	,	c '46N	
555.	Number of power a) 0	contactors in HH b) 6	P locomotive c) 9	d) 10	(a)
556.	Number of cylinder a)12	ers in WDG4 loo b) 16	comotive c) 18	d) 20		b)
557.	Type of traction management a) AC motors			& B d)	,	a ne)
558.		peedometer is ava b) Radar s d) Electro	sensor	P locomotive	e (b)
559.	In WDG4 locome a) Air	-	=		(Natu	b re)
560.	Number of positio a)2	ns of Auto brake b) 4	e in WDG4 lo c) 5		(c)
561.		otive hot oil detected to the control of the contro			(b)
562.	Blended brake is a a)WDG4					b 13A	
563.	Lube oil sump cap	acity in WDG4 l b) 1100	locomotive (in c) 910		(d)
564.	Full RPM of WD a)1000	G4 locomotive b) 1050	c) 954	d) 1100	(c)
565.	Idle RPM of WI a)200 b) 26		350	d) 400	(b)
566.	Low Idle RPM of a) 200	WDG4 locomot b) 269	c) 350	d) 4	00	a)

567.	Coolant water capacity in HHP locomotive a)1000 b) 1100 c) 10		(c)
568.	Minimum continuous speed of WDG4 local a)21.5 b) 22.5 c) 20.5	omotive (in Kmph) d) 23.5	(b)
569.		suspension	(b)
570.	In HHP loco fuel oil system which type of a) Unit Injectors b) Injector with HP line	2	
571.	j	nly Inlet valves	(c)
572.	In HHP locomotive Turbo charger is driver a) Exhaust Gas b) Gear T c) Gear Train & Exhaust Gas d)None	<u> </u>	(c)
573.	Number of Lube oil pumps in HHP locomo a) One b) Two c) The		(d) ur
574.	In HHP locomotive air compressor lube oil a) 10 b) 12 c) 15		ers) (a)
575.	Type of bogie used in HHP locomotive a) Fabricated b) Cast steel	c) HTSC	(c) d) None
576.	J 1	ive CB-Knorr	(c) d) None
577.	•	s ter pressure button w	(c) vill trip

		HHP locomotiv		_			_
Sta		L/T switch show Test	b) HLPR				
	a)	1681	U) HLFK	C)	Leau	u) 11	all
		HHP locomotiv		lucting B	P leakage tes	t L/T swi	itch should (a)
	a)	Test	b) HLPR	c)	Lead	d) Tr	rail
		WDG4 banker in		control s	tand Auto br	ake hand (c	
RO		Release		c)	FS	`	nergency
	In	WDG4 banker 1	,				
	a)	Lead	b) Trail	c)	HLPR	d) Te	est
582.	a)	HHP locomotive Primary filter cl Lube oil filter c	noked	b) Spin o	on filter chok	ted	es (b)
583.	a)	HHP loco, chok Filter condition Both A & B	gauge	-		•	
	In pt i	WDG4 MU trai	iling loco, L/	Γ switche	s in both con	trol stanc	d should be (d)
	a)	Test	b) HLPR	c)	Lead	d) Tr	ail
585.		l lubricated TM WDM2	gear case is p b) WDM3A		n WDG4	d) W	(c) DG3A
586.	a)] b)] c)]	ring order of HH 1,8,9,16,3,6,11,1 1,2,3,4,5,6,7,8,9, 1,3,5,7,7,11,13,1 None	4,4,5,12,13,2 10,11,12,13,1	,7,10,15 14,15,16			(a)
587.		oco model of WI GT46PAC)G4 b) GT46M <i>A</i>	мС	c) Both A	A & B	(b) d) None

588.	Loco model of W a) GT46PAC		AC		c) Bot	th A & B	(d)	a No	-
589.	Number of cylind a) 2	lers of air cor b) 3	npresso	or in W c) 4	DG4 1	oco d) 6	(b)
590.	Number of batteria a) 02	ies in WDG4 b) 10	loco	c) 08		d) 6	(c)
591.	Number of batteria 02	ies in WDP4 l b) 10	loco	c) 08		d) 6	(b)
592.	Number of axles in a) 04	in WDP4 loco b) 06)	c) 08		d) 10	(b)
593.	Number of position a) 02	ons in Direct b) 04	Brake	of WE c) 05		co d) 06	(a)
594.	In WDG4 loco es a) 538°C	xhaust gas ter b) 438°C					(a)
595.	Number of radiate a) 02	or fans in HH b) 01	P loco	motive c) 03		d) 04	(a)
596.	Number of water a) 02	pumps in HH b) 01	P loco c) 03	motive	;	d) 04	(a)
597.	Number of brake a) 08		HP loco	omotive	e	d) 24	(c)
598.	Brake cylinder pro	essure in HH b) 5.2		motive c) 3.5	(in K	g/cm²) d) 3.0	(b)
599.	In HHP locomotia) R4,R5	ive hand brake b) R4,L4		es on w c) R4,		d) L4,L5	(a)
600.	Diameter of new a) 1090	wheel in HHI b) 1092		notive c) 108		mm) d) 1100	(b)

601.	To check engine sump oil level, engine sla) Shut down b) Idle c)	nould be in condition (b) 4th Notch d) 2ndNothch
602.	Number of after coolers in HHP locomot a) 02 b) 01 c)	
603.	Number of water expansion tanks in HHF a) 02 b) 01 c)	
604.	Which type of Traction Motors fitted in Fa) 3-Phase AC Motors b) DC Series M	
605.	Which type of Main Generator fitted in Habital DC Generator b) 3 Phase Alternator	
606.	a) To control 3-Phase AC Motors b)	
607.	No. of Traction Inverters in HHP loco (la) 6 b) 5 c) 4	In Medha make Traction system) d) 3 (a)
608.	No. of Traction Inverters in HHP loco (la) 6 b) 2 c) 4	In EMD/Siemens Traction system) d) 3 (b)
609.	ε	ker in HHP locomotive (d) 20 AMP d) 35 AMP
610.	Number of DC link switch gears in HHP a) 6 b) 5 c)	
611.	In HHP loco, During DB TCC converts a) DC into 3 Phase AC b) 3 Phase into	DC c) Both A & B d) None
612.	In HHP loco, ECC-2 is located in a) Driver Cab b) Under c) Near Compressor Room d) None	Truck
613.	In HHP loco, STA, ST contactors are loca a) ECC-1 b) ECC-2 c)	ated in (b) ECC-3 d) ECC-4

614.	In HHP loco, ECGa) Driver Cabc) Near Compress			ider Tr ne	ruck		(a)
615.	In HHP loco, ECo a) Driver Cab c) Near Compress			nder Tr ne	ruck		(c)
616.	In HHP loco, Por a) FS contactors			-		d) DC	`	d nk	
617.	In HHP loco, if L	LOB is in trip	ped po	sition	during crank	king en			
	a) Crank	b) not Fire		c) not	Hold	d) not	`	d anl	_
618.	In WDG4 loco, lo a) In Accessories		-			ab	`	b EC) CC-3
619.	In HHP loco, if A a) Battery will di c) Both a & b	scharge b) Lo			not respond t down	[(c)
620.	In WDG4 loco Tr a) Force air venti c) Water cooled		is	•	b) oil coole d) None	d	(a)
621.	Total no. of Batte a) 01	ries in WDG4 b) 02	4 loco c) 08		d) None		(c)
622.	Total no. of Cells a) 32	of batteries i	in WD(c) 64	G4 loc	o d) None		(a)
623.	Total no. of Cells a) 32	,	,	4 loco	,		(b)
624.	Total no. of Batte a) 10	ries in WDP4 b) 02	loco c) 08		d) None		(a)

625.	In HHP loco engine starting switch is located in a) ECP b) Engine room c) Control stand d) None	(a)
626.	No. of Grid blower motors in WDG4 loco a) 04 b) 02 c) 03 d) None	(b)
627.		ve current	b) in DB
628.	In WDG4 loco Battery charger rectifies AC to DC of a) Aux Generator output b) Companion A c) Main Alternator output d) none	(lternator o	a) utput
629.	In WDG4 loco, if on run GR trips then the engine a) Will shut down b) comes to Idle c) No effect on engine d) No effect on l	oco ((b)
630.	In WDG4 loco the companion Alternator runs at the sata a) Engine RPM b) Aux Gen RPM c) Turbo RPM	me speed a	(a)
631.	In WDG4 loco, Radiator fan controlled by a) EM2000 b) TCC c) Both A & B	d) Non	a) e
632.	In WDG4 loco HP input to Traction motors is a) 4000 b) 3726 c) 3100 d) 3900	(b)
633.	In WDG4 loco compressor is cooled by a) Nature b) Air c) Oil d) Water	(d)
634.	In WDG4 loco turbo is cooled by a) Nature b) Air c) Oil d) Water	(c)
635.	1	(OC Link	d)
636.	In WDG4 (ECS) isolation switch is having no. of a) 1	positions(b)

637.	While on run if airflow indicator shoots up with jerk, it indicates(b) a) AFI defect b) parting taken place c) spring broken d) moisture in air
638.	For quick charging of BP in WDG4 loco, is used. (d) a) SP1/SP2 b) SW1/SW2 c) Foot pedal d) Auto Brake Release
639.	brake available only in WDP4. (c) a) Computer brake b) Vigilance brake c) Blended brake d) Tread brake
640.	Blended Brake is a mixture of a) Vacuum + Air b) Formation + Dynamic + Loco c) Formation + Loco d) Dynamic + Loco
641.	In WDP4 loco when loco is moving in opposite direction to the reverser position will happen soon the speed increases to 5 kmph. (a) a) Dynamic brake comes into action b) Alerter will come into function c) Power ground will take place d) loco will shut down
642.	When wheel is floated speed is restricted to kmph. (b) a) 25 b) 30 c) 35 d) 40
643.	Excess brake cylinder pressure can cause a) Quick speed dropping b) Train brakes not required c) Wheel skidding d) Dynamic brake not necessary
644.	In fuel oil system type of filters are used (d) a) Socks type b) Foam type c) Mesh type d) Paper type
645.	While EOT (Engine on Train) L/T switch should be in position (d) a) Lead b) Trail c) Helper d) Test
646.	Bail off ring is operated to nullify brake (d) a) Loco b) Formation c) blended d) conjunction

647.	In HHP loca	_				(c)
		stand y rack						
648.	In HHP loco a)3.5	•	-	ure is d) 5.2	kg/cm²	(b)
649.			b) Co	mpressor (compartment	(c)
650.	In HHP loco a) MR2	MVCC is c b) MR1		line d) FP		(b)	
651.	MREQ pres a) MR1	sure is charg b) MR2		l air	d) FP	(a)
652.	Sanders are a) MR1	operated from b) MR2		d) BCEQ		(a)	
653.	Horns are of a) MR1	perated from b) MR2		d) BCEQ		(a)	
654.	Sanders are a) MR1	operated from b) MR2		d) BCEQ		(a)	
655.	Swept voluma) 657	me of one cyl b) 710			loco (in cu. In	nch)((t)
656.	No. of engina) 8	ne cylinders i b) 12	n HHP loco c) 16	d) 20		(c)
657.		VDP4 loco cr b) Eductor			intained by vacuum pump	(b)
658.	In HHP loca a) Nose com c) ECC2	MRPT is lonpartment	cated in	b) ECC1 d) ECC3		(d)

659.	In HHP loco	o MVCC is 1	located	in			(b)
	a) Nose conc) Radiator	_			mpressor room der Truck				
660.	Main compo	onents of CC VCU & CR		brake s		d) all o	(of tł	d ne a	/
661.	Total no. of a) 8	keys in EM2 b) 10	2000 d c) 12		panel are d) 16		(d)
662.	No. of radia a) 01	ntor fans in W b) 02	VDG4 1 c) 03		d) 4		(b)
663.	No. of grid a) 01	blower moto b) 02	ors in W		oco d) 4		(b)
664.	a) Remainedb) gets enabc) Remained		o be di ıt to be	sabled enable	-	bled speed		enso d)	
665.	a) Excessiveb) Excessive	ing indicatio e main altern e breaking cu e air braking	nator cu urrent i				(b)
666.	a)No 3 & 6 b) all sander	only work rs work work irrespec			irection sanders o	of	(d)
667.	a) Aux. gen	rger rectifies erator output ernator outpu	t		mpanion alternate	or output	(a))

668.	BP continuity not getting to train from a working WDG4 loco a) Additional BP coc closed in train end b) BP angle coc defective c) in train end no BP pressure in loco d) All the above	(d)
669.	Type of lubrication system used in diesel loco a) Splash lubrication b) Force feed lubrication c) Force feed & splash d) Capillary lubrication	(b)
670.	To check lube oil level in engine sump, engine should be in a)Shut down b) 4th notch c) Idle d) 2nd notch	(c)
671.	Each traction motor is provided with a) One speed sensor b) one speed sensor & one temperature c) One temperature sensor d) Two speed sensors	(e se	b nso	r)
672.	Diameter of new wheel in WDG4 loco (in mm) a) 1090 b) 1092 c) 1100 d) 1080	(b)
673.	When there is communication link failure and micro air breaker is active, the loco will work a) as lead in b) only in trail mode c) in both modes d) in Helper mode	: (b)
674.	To recover PCS, it is compulsory to keep a) Both throttle handle in Idle b) any one throttle handle in idle c) Leading c/s throttle handle in idle d) Leading throttle handle in idle & reverser in Neutral	(d))
675.	The companion alternator runs at the same speed as Engine rpm a) Engine rpm b) Aux gen rpm c) Turbo rpm d) loc		a j)
676.	MR pressure dropping on run due to a) Air dryer defective b) Auto drain vale malfunctionic c) BC pipe damaged d) all the above	(ing	d)
677.	In WDG4/WDP4 locos Hand brake applies on wheels a)R4, R5 b) R4, L4 c) R5, R6 d) L4, L5	(a])

Brake cylinder pressure (in kg/cm²) in WDG4/WDP4 loco	(a)
a) 5.2 b) 4.8 c) 3.8 d) 3.5		
MR pressure not building up due to a) MREq coc in open condition b) EBT valve defective c) Defective MVCC d) All the above	(d)
Type of bogie in WDG4 locomotive a) BO-BO b) CO-CO c) BO1-1BO d) fabricated	(b)
Location of lube oil cooler in HHP locomotive	(a)
a) Equipment Rack b) Radiator room		
c) Compressor room d) Engine room		
Location of lube oil filter in HHP locomotive	(a)
a) Equipment Rack b) Radiator room	,	ŕ
c) Compressor room d) Engine room		
Location of fuel oil primary filter in HHP locomotive	(a)
a) Equipment Rack b) Radiator room		
c) Compressor room d) Engine room		
Location of water expansion tank in HHP locomotive	(a)
a) Equipment Rack b) Radiator room		
c) Compressor room d) Engine room		
LCC, ECP, Event recorder are located in	(c)
a) ECC3 b) ECC2 c) ECC1 d) None	·	·
In CCB 1.5 fault code will be displayed in	(c)
a)VCU b) PCU c) CRU d) BVC		,
In computer controlled brake system, operation of bail off rin	o will	nullify
	_	d)
c) Dynamic brake d) Conjunction brake	`	,
	a) 5.2 b) 4.8 c) 3.8 d) 3.5 MR pressure not building up due to a) MREq coc in open condition b) EBT valve defective c) Defective MVCC d) All the above Type of bogie in WDG4 locomotive a) BO-BO b) CO-CO c) BO1-1BO d) fabricated Location of lube oil cooler in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of lube oil filter in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of fuel oil primary filter in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of water expansion tank in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of water expansion tank in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of water expansion tank in HHP locomotive a) Equipment Rack b) Radiator room d) Engine room Location of water expansion tank in HHP locomotive a) Equipment Rack b) Radiator room d) Engine room Location of water expansion tank in HHP locomotive a) Equipment Rack b) Radiator room d) Engine room Location of water expansion tank in HHP locomotive a) Equipment Rack b) Radiator room d) Engine room	a) 5.2 b) 4.8 c) 3.8 d) 3.5 MR pressure not building up due to a) MREq coc in open condition b) EBT valve defective c) Defective MVCC d) All the above Type of bogie in WDG4 locomotive a) BO-BO b) CO-CO c) BO1-1BO d) fabricated Location of lube oil cooler in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of lube oil filter in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of fuel oil primary filter in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of water expansion tank in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of water expansion tank in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of water expansion tank in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of water expansion tank in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room Location of water expansion tank in HHP locomotive a) Equipment Rack b) Radiator room c) Compressor room d) Engine room

688.	In HHP loco MU STOP				(b)
	a) ECC1 b) Control of	console 2	c) ECC2	d) ECC3			
689.	In HHP loco Control & I	FP switch is lo	ocated in		(b)
	a) ECC1 b) Control of	console 2	c) ECC2	d) ECC3			
690.	In HHP loco driver back	up valve is lo	ocated in		(c)
	a) Nose compartment	b) Co	mpressor co	mpartment			
	c) Driver cabin	d) Rad	diator room				
691.	In HHP loco braking cor	ntactors are lo	cated in		(c)
	a) ECC3 b) ECC2	c) ECC1	d) None				
692.	In HHP loco baggie type	e fiber glass fi	lters are loca	ated in	(c)
	a) Compressor compartn	_		compartment	`		
	c) Clean air compartmen	t	d) Equipme	nt rack			
693.	In HHP loco IPR (Invert	er Protection	Resistor) is	located in	(c)
	a) Compressor compartn	nent	b) Radiator	compartment			
	c) Clean air compartmen	t	d) Equipme	nt rack			
694.	In HHP loco, dust bin bl	ower motor is	s located in		(c)
	a) Compressor compartn			-			
	c) Clean air compartmen	t	d) Equipme	ent rack			
695.	In HHP loco Lube oil co	oler is located	d in		(d)
	a) Engine room	· •					
	c) Radiator room	d) Equipmen	nt rack				
696.	In HHP loco Lube oil fil	ter is located	in		(d)
	a) Engine room	b) Compress					
	c) Radiator room	d) Equipmen	nt rack				
697.	In HHP loco water expan	nsion tank is l	ocated in		(d)
	a) Engine room	b) Compress					
	c) Radiator room	d) Equipmen	nt rack				
698.	In HHP loco fuel oil prin	mary filter is l	ocated in		(d)
	a) Engine room	b) Compress					
	c) Radiator room	d) Equipmen	nt rack				

699.	To reset VCD Reverser should a) Neutral b) Forward c) Rev	<u>-</u>	(d)
700.	Purpose of APU is to save a) Fuel b) Lube oil c) cre	w d) all of the above	e (a)
701.	, <u>.</u>	ring with indication what may be be of the order of the control of	e the	
a)	2	b) Fuel Booster Pump defective		
703.	What is the reason if engine is a) Governor booster pump defec) No Governor oil in tank		(fecti	d) ve
704.	What is the reason if engine is a) SAR Inter lock defective c) Lube oil system defective (E	b) OPS Det	fectiv	ve
705.	What should be checked if enginal of the checked if enginal a) OSTA b) SAR c) Govern	ine shutdown with over speed? nor Amphenol plug d) Fuel pur		
706.	What should be checked if engial of a control of the checked of engial and of the checked if engial and			, ,
707.	What happens if Amphenol plug a) Engine Idle, Load meter zero c) Only engine idle	_		co?(a)
a)	Which item is used to reset AFL SW1 & SW2 b) SP1 & MCB1 & MCB2 d) MFPB	SP2	(a)
;	To get quick charging of BP wh a) SW1 &SW2 b) SP1 & c) MCB1 & MCB2 d) MFPE	-	(b)

a) BP For 5Kg/Cm ²	t observe (a) b) MR For 9.5Kg/Cm ²
c) Control air pressure for 5 Kg/Cm	,
711. The Procedure for isolation of A a) If isolation switch available sw c) Pack DMR	
712. How do you adjust control air pr a) A9 Feed valve b) SA9 c) Limiting valve d) HS4	Feed valve
713. Improper control air pressure leaa) Power Contactors flutteringc) Power Ground	b) Flash over d) All the above
714. If Head light fails what is the acta) Fail the lococ) Work with classification lights	b) Follow G&SR Rules
715. If engine shuts down with hot en a) ETS b) LWS c) SA	ngine alarm which safety device operates? R d) OPS (b)
716. If engine is running with Hot engal LWS b) OPS	gine alarm which safety device is operated (c) ETS d) SAR (c)
717. What is the effect of GR trippinga) Load meter zeroc) GR Indication with bell	g? (d) b) Engine comes to idle d) All the above
718. What is the effect of WSR?a) LM gradually drops to zeroc) Wheel slip indication with buzz	b) Sanders operate zer d) All the above
719. In AC/DC Locomotives engine is a) Main Generator c) Auxiliary Generator	is cranked by (b) b) Aux. & Exc. Generators d) Exciter Generator

720.	If C3W distriction (a) Wheel skin (b) Loco brake (c) Formation (d) Loco brake (d)	idding takes kes will not n brakes wil	place apply l not ap	oply	ed wro	ongly in goo	ods (a)
721.	If water con a)Less			e oil, viscosi mains unchar	•		be	_ (b)
722.	If water pun a)Oil	np tell tale h b) water		_		seal may be d) None	defect	ive ((b)
723.	If water pun a) Oil			eaking oil, _ c) both a &		l may be de		e (a)
724.	_	AC Governo d unloading b) G		ch Governor c) W	•		•	sor (a)
9	A goods train shall be	_and in BV		_ kg/cm ²		_	(b)	
	A goods train BV5.0, 4.5	kg/Sq.cm.		_			l be	(d)
en a) b) c)	Loco pilot she sure Brake powe To ensure ave to sign in Black To know the	r till the last railability of PC compres	vehicl Guard	e Van/SLR l in B.	st befo	re starting h	nis traii	n to (a	ι)

728. By applying A-9 formation brakes are not applying-Reason might be a) A-9 COC in working control stand is in closed condition b) Bogie COCs are in closed condition c) Train running at excess speed d) Last vehicle rear BP angle cock is in open condition
729. On run if Air Flow Indictor overshoots with jerk indicates(d) a) Air brake failure b) Loco failure c) Air flow indicator defective d) Train Parting
730. While working LE's Loco Pilot should to stop the Locomotive. (b) a) apply A-9 brake b) apply SA-9 and Dynamic Brakes c) apply Handbrakes d) Close the throttle to zero
731. Locos provided with Cast Iron brake blocks requires than the Locos provided with Composite brake blocks (a) a) More braking distance b) Less braking Distance c) frequent change of brake blocks d) BC pressure 3.8kg/cm2
 732. If train stopped in mid section on account of Loco Failure Loco pilot should doimmediately (b) a) Inform TLC/PCOR b) Put on Flasher Light, Apply A-9,SA-9, wooden wedges and secure formation. c) Ask for relief Loco d) Attend the Locomotive
733. Revised VCD cyclic timings are (a) 60, 8 and 8 seconds b) 60,17 and 17 seconds c) 170, 17 and 17 seconds d) 65,8 and 8 seconds
734. While working LE's Loco pilot should check and ensure before starting. a) Head light

735. Use of Dynamic Brake isa) To raise the engine RPMb) To control the train and to	— maintain constant speed at PSR, 7	(b) TS Rand	
Loop lines c) To nullify the conjunctional d) To stop the train	l brakes		
736. When LE loco brakes are not a a) SA9 COC b) MU2B c) F		(d)	
737. When loco working as banker a) Lead & close b) Trail &		tion COC	
 738. Immediate action when BP is train a) Open A9 COC in Non-working b) Apply D1Emergency c) Change the Control stand d) Adjust BP pressure 	-	trolling of	f
739. Important test should be done a) Brake feel test b) Brake pow	_	(c) d) All	
740. What test must be done by LP a) Brake feel test, 15KMPH c) Working of DB, 15KMPH	b) Brake power test, MPS		
741. If an Air Brake train stopped of reason, which brakes should be a) SA 9 only b) A9 only c	e applied	(c)	
742. After detaching Loco from for before working LE.	· ·	l be check (c	
a) Continuity testb) Tc) Loco Brake power testd) I	Traction test Leakage test		
743. While TOC of Loco, If Flashe would you take.	er light glows but does no blink, when	hat action (a)	
a) Loco is failedb) change the bulb	b) Will work to nearest shedd) Work normally		

	the loco wheel develops skid mark more
than 50 mm between section?	(b)
a) Fail the loco at site	b) Work with 30KMPH
c) Clear section with 20 KMPH	d) None
	on derailed vehicles of a train involved in
accident be allowed for on-ward jo	
a) Without check	b) After certified by TXR
c) With 10% less speed	d) 80 KMPH
746. What immediate action would yo pressure/vacuum on run?	ou take on noticing sudden drop of BP (c)
a) Stop the train	b) Contact Guard on VHF
c) Switch on Flasher light	d) Inform PRC
747. When Head light become defecti a) 20kmph b) 30kmph c) 40k	ve speed of the train shall not exceed ?(c) mph d) 50kmph
A9 application? a) Pressing BKIV foot pedal b) A	eleasing proportional loco brakes during (c) Application of DB None
	a consol of WDG4/WDP4 working as MU
trailing is a) Trail b) Lead c) Both	h d) None
750. If BP & FP pipes are wrongly coal Loco is failed b) Formation	
751. Immediate action of ALP when Ia) Apply D1emergencygraduallyc) Inform PRC	LP is not controlling of train? (a) b) Repeat signals d) Inform CCC
a) Clear section and stop	LP when loco fails on run in section? (c) b) Trouble shoot first d) Inform PRC

753. In case of Brake binding in air brake we you take other than releasing of brake'sa) Isolate DV b) Isolate BC c) Isolate	?	(a)
754. What is the initial charging time appropriate traina) 10-15 minutesb) 15-20 minutes	eximately of a single pipe a c) 20-25 minutes d) 25-	(c)
755. What is the initial charging time approa a) 10-15 minutes b) 15-20 minut b) c) 20-25 minutes d) 25-30 minut	tes	brake (train?
756. Are BP & FP angle cocks to be kept Of coach/wagon of an air brake train? a) Yes b) No c) None of the cocks to be kept Of coach/wagon of an air brake train?	PEN always in an isolated two above d) Above all)
757. What would you understand if needle a goods train in yard?a) Full brake applicationc) Loco side BP angle coc closed	of air flow indicator comes (b) Guard side BP angle co d) Brake application by G	c oc clos)
758. Loco should not be moved if water level a) 4 inches b) 3 inches c) 1 inch		(a)
759. Side load pads are provided in this typ a) Tri mount bogie b) Fabricated bogie		(b hban	*
760. How to reset the VCD penalty brakes ia) Bring TH to idlec) Both a and b	n Alco locos b) Reset after 35secs d) Engine will get shut do	(c own)
	ofter LOB operates S picks up	(d)
762. Eddy current clutch is located in a) Nose compartment b) Co c) Compressor room d) Radiator	ontrol compartment room	(d)

763.	ERF should be	oe put ON wh	en			(d))
a)	ECC is defe	ective	b) R1 &	R2 defect	ive			
	TS-1&TS-2		· ·) Both b an				
- /			,	,				
764	If radiator far	n is not worki	ng durin	g continuo	us hot engine ala	rm sw	itch	ON
	ERF	b) LWS		_	_		a)	011
a,	LICI	O) LVIS	c) Divil	<i>a)</i> 110	. 11	('	. ,	
a) b) c)	In M.U. operation of BP will not BP will destorated Loco brakes BP will not	destroy in an roy only in en s will not app	y positio mergency ly	n	e kept in open po	osition	(d)
766.	Engine shoula a) 24 hrs.				vn for more than hrs.	(c))
767.	In Alco locor a) Nose com c) Engine roo	partment	oil filter i		sser room	(d))
760	If MCDC no	vvvan huaalzan i	is in OEE	l magitian d	ymina anantzina a	naina	:11	
708.	-			-	uring cranking e	ingine		
	a) not Crank	(trire c) not Hold	d) a and b	(b))
760	In Alan 1000	f., . 1	okomia la	منا المعددة		(-)	
709.	In Alco loco					(c))
	a) Nose con	-	•	Radiator ro				
	c) Compress	sor room	a) .	Engine roo	III			
770	Control oir n		nated by			(<i>a</i> >	
770.	Control air p a) A9 Feed	•	-	F1 selector	volvo	(d)	,
	*							
	c) NS 16 go	Veriioi	u) 1	Limiting va	iive			
771.	a) MR safet	of HP cylind y valve will b in valve will b	olow	-	osed position oler safety valve nd b	(will b	b) olow	
772.	*	ency switch s vel is less that us hot engine	n 1" from		ON' if b) Float is punc d) Both a and b		b))

773.	While working twin pipe air brak a) By passing to be done c) Detach the coach after clearing	b) Work with FP alone	mag (ged a))
774.	• • • • • • • • • • • • • • • • • • • •	P metal pipe is damaged b) Work further by passing the d) Work with FP alone	(coac	c) ch)
775.	Sensitivity of DV is a) 0.6 kg/cm2 in 6secs c) 0.6 kg/cm2 in 60secs	b) 0.3 kg/cm2 in 60secs d) 0.5 kg/cm2 in 60secs	(a))
776.	Insensitivity of DV is a) 0.6 kg/cm2 in 6secs c) 0.6 kg/cm2 in 60secs	b) 0.3 kg/cm2 in 60secs c) 0.5 kg/cm2 in 60secs	(b)
777.	In M.U operation in Air brake loc takes place through a) 28 VB c) A1 differential valve	co, conjunction working in lead b) C3WDV d) F1 selector valve	ing i		o will
778.	If A9 coc is closed in both contro a) BP will not create c) Loco brakes will not release	b) BP will destroy only	(in e	a) mer	
779.	In MU operation during A9 application Through a) C3W DV b) c) Additional C2relay valve	b) F1 selector		d b)
780.	While working an air brake train a) The train brakes will apply au b) Apply A9 and release after tra c) Keep A9 in Emergency positio d) Apply loco brakes alone	tomatically ain comes to stop		2)
781.	*		es p	lace	

782.	In MU trailing loco if 3/4" coc alone is kept in open position a) BP will not destroy b) BP will not create upto 5 c) Loco brakes will not apply d) BP will destroy only in er	.0 kg	g/c	m2
783.	If SA9 COC is closed in working control stand a) loco brakes will not apply b) conjunction brake will not apply c) loco brakes will apply d) Bp will not create	(oply	a)
784.	Location of C3W DV in IRAB brake system is a) B control stand b) Nose compartment c) under truck d) A control stand	(b)
785.	If brake system coc is kept in closed position. a) BP pressure will not create b) FP pressure will not create c) Both a and d d) MR pressure will not in			,
786.	In IRAB1 brake system conjunction working of loco brakes take through a) 28 VB valve b) C3W DV c) A1 differential valve d) VA	-		
787.	If brake system coc is closed a) MR gauge will indicate zero c) Both a and d b) FP gauge will indicate d) BP gauge will indicate	zer)
788.	In ALCO locos turbo super charger turbine is rotated by a) Gears b) Motor c) Exhaust gas d) Clutch	(c)
789.	Main reservoir safety valve is set atkg/cm² a) 10.5 b)8 c) 9 d) 9.5	(a)
790.	Reduction in BP pressure causes a) Brakes release b) Brakes slow release c) Brakes application d) MR pressure increasing	(c)
791.	How many kinds of Brakes are provided on Diesel locomotive? a) 5 b) 10 c) 11 d) 9	(a)
792.	In HHP locos turbo super charger turbine is rotated by a) Gears b) Motor c) Gear & Exhaust gas d) Clutch	(c)

 793. The dead engine cutout cock, mounted on the air brake rack at the locomotive, limits air braking effort on a locomotive being in a train. When the cutout cock is set for a dead locomotive, the regulator a) Charges MR2 to5kg/cm2. b) B&C c) MR2 at1.76kg/cm2 from d) the brake pipe limiting brake cylinder pressure to 1.76kg/cm2 	haule ne pre	d dead
794. After cooler cooled air in air inlet casing is also called as a) Control air pressure b) Vacuum control air pressure c) HS4 pressure d) Booster Air Pressure	pressu	d) are
795. N 1 Reducing valve/Limiting valve is located in a) Radiator room b) Compressor room c) Nose compartment d) Rear compartment	(c)
796. The exhaust manifold is connected to part of the TSC. a) Gas Inlet Casing b) Intermediate Casing c) Turbine Casing d) Blower Casing	(a)
797. FTTM drives with a) Electric motor b) Belts c) Gear d) Hydraulicpres	(sure	c)
798. HP of WDP1 is a) 1400 b) 1800 c) 2400 d) 2300	(d)
799. Latest modified lube oil cooler is oftype a) Drum b) plate c) Paper d) Roll	(b)
800. Max. continuous current of Traction Alternator is Amp a) 1200 b) 1250 c) 1150 d) 1050	(b)
801. N1 reducing valve is used to control pressure a) BP pressure b) FP pressure c) Control Air Pressure d) BC pressure	(c)
802. Rail Guard height of WDP1 is a) 120mm b) 90mm c) 30mm d) 100mm	(d)

803.		r box & radiator fan ve-joy coupling am gear	ais (a)	
804.	To overcome TSC surging problem in a) 05 minutes b) 15 minutes of		vater wash done f d) 30 minutes (
805.	The efficiency of after cooler should n a) 0.5 b) 0.6	ot be less than c) 0.75	(b) d) 0.8	
806.	Tube of radiator core made of a) Brass c) Aluminium	b) Copper d) None of the ab	·	a)
807.		leakage testing dor si pressure si pressure	ne at (1	o)
1	If the difference of compression betwee then a) There will be more loading on torsion by fatigue sign will appear in crankcase c) fatigue sign will appear in piston pint d) all of the above	nal damper	more than 100 ps (d	
809.	NALCO-2100 is a a) Boron (b) based coolants c) Carboxylate based coolant	b) Sodium (Na d) None of the	(a) based coolant above	.)
810.	Drop in flash point of the lube oil indicated a) Fuel contamination c) Carbon deposition	cates b) Water contamina d) All of the above		.)
811.	Engine cooling water sample testing is a) T-30 & above schedule c) Yearly & above schedule	b) T-90 & abo	`	le)

812.	 Water sample should be collected a) in a clean container, with the engine b) from a point where the water flow c) after allowing the water to flow for d) All of the above 	is normal turbulent	(d)
813.) Loco right side None of the above	(b)
814.	There are three consecutive pipes oper pipe connection is for a) Fuel suction pipe c) Primary filter housing drain pipe	ening in the fuel tank, in which b) Fuel return pipe d) None of the above	mido ()
815.	How many blades are in Radiator coo a) 6 b) 8 c) 10 d)	oling fan? None of the above	(b)
816.	a) Diesel engine should be in running b) The reverser handle should not be c) The LOCAL CONTROL circuit be d) All of the above	condition in neutral position	(lition	d)
817.	Radar is fitted at a) Under truck at loco left side c) Under truck at engine right side	b) Under truck at loco rd) None of the above	(right s)
818.	To measure crankcase vacuum U-tub a) Modified oil pan cover c) Right side lube oil dipstick tube	e manometer is connected to b) Left side lube oil dip d) All of the above	`	d tub	
819.	,	ooled & lubricated by Lube oil Ione of the above	(b)
820.	·	r arm are used to operate naust valve ne of the above	(b)

	· · · · · · · · · · · · · · · · · · ·	ube oil system ompressed air syste	em	(a)	
	Top fuel line of the fuel manifold is a) Fuel supply line b) fuel rec) Fuel by-pass line d) None			(a)	
823.	Fuel oil suction strainer is cleaned at a) 60 days b) 90 days c)	180 days d) N	one of the ab	(ove	b)	
824.	Minimum lube oil pressure of HHP L a) 8-12 psi b) 25-29 psi	-	d) 12	`	b i)	
825.	a) Both fan will pick up at slow speed b) 1 st fan will pick up at full speed wi c) 2 nd fan will pick up at full speed w d) All of the above	d with interval of 2 th interval of 20 se	econd of last	(pic	d k up		
826.	In MEDHA control system Radiator f a) Below 73°c b) Below 79°c	•	c d) 9	(96°c	b)	
827.	What is the valve minimum compress locomotive? a) 7psi b) 8psi	or oil pressure oil j		HP (15 _])	
828.	What is the valve of maximum Difference a) 08" of H20 b) 14" of H20 c	ential pressure acro) 25"of H20	oss after coole d) 07"of H2		(c)
829.	Before Placing Power Assembly which a) Condition of crankpin journal to be b) Condition of lower liner insert to be c) Condition of bottom surface of the d) all of the above	check e check		chec	k (d)

830.	While applying rocker arm shaft assembly, ensure that a) the shaft caps is placing with the short toe facing out b) the shaft caps is placing with the short toe facing in c) the word "IN" stamped side of shaft caps is placing inside d) both a & c	(d)
831.	How many gears are fitted in accessory drive gear train? a) 4 b) 5 c) 6 d) 7	(d)
832.	How many magnetic poles are connect in radiator fan circuit when ruspeed? (a) 8pole b) 12pole c) 16pole d) None of the above	c		
833.	"Pee" of the HHP locomotive is checked in which schedule? a) T-30 & above b) T-90 & above c) T-180 & above d) Yearly	(' & a	b abov	/
834.	In WDP4DH, DH stand for ? a) Duel cab loco with Hotel load facility b) Double head loco with Hotel load facility c) Disk brake loco with Hotel load facility d) None of the above	(a)
835.	How many cam shafts (segment) are fitted in HHP Locomotive a) 2 b) 4 c) 8 d) 18	(b)
	In leading loco of HHP MU, compressor loaded when a) MR pressure is drop below 8.3 kg/cm2 b) MR pressure is drop below 9.5 kg/cm2 c) MR pressure is drop below 9.8 kg/cm2 d) MR pressure is drop below 10.2 kg/cm2	(a)	
a	Minimum water flow pressure of HHP compressor is a) 4 GPM at 200rpm b) 10 GPM at 200prm c) 15-27 GPM at 950 rpm d) Both a & c	(d)
	Maximum consumable HP of HHP compressor during loading at 200 a) 2.2HP b) 22HP c) 23HP d) 70HP	rpm (is b)

8	Valve leakage is indicated in 70psi air pressure c) 56psi air pressure	b) 60psi air pressur	re	(c))
840.	During compression pressur has zero compression then a) Vent the gauge before re b) Remove the test valve be c) If plugged, clean and rein d) All of the above	moving it ody and insure that	it is not plugged)
841.	Fins of lube oil cooler core i	s made of		(c)
	a) Brass	b) Copper				
	c) Aluminium	d) None of the	above			
842.	Torque valve of hand hole c	over bolts is		(c)
	a) 20-50 ft-lbs	b) 30-50 ft-lbs		·		
	c) 20-30 ft-lbs	d) 15-20 ft-lbs				
843	Torque valve of coupling di	se to rim holts is		(b)
	a) 190 ft-lbs b) 295		5 ft-lbs d) 2	10 ft-1		,
844.	Which of the following state a) Same filter element are us b) Paper type two stage filte oil filter c) Long life fuel oil primary d) All of the above	sed in fuel oil prim er element are usec	nary & lube oil filter d in fuel oil primary &	(z oil lı)
845.	On load condition TSC is dr a) 5 th to 8 th notch c) 7 th to 8 th notch	b) 6 th to 8 th noted d) Only to 8 th not	h	(c)
846.	Which of the following factors: a) Water contaminationc) Exposed bronze	or is consider for c b) Overly d) All of th	flaking	n (d)	
847.	Which crankshaft journal do a) 1 b) 6	pes not have a hole c) 10	for lube oil? d) None of the	(abov	b e)

848.	No.1 crank pin jo	urnal is lubricated	through	(b)		
	a) No.10 main be	earing journal	b) No.1 main l	pearing journal			
	c) No.2 main bea	aring journal	d) None of the	e above			
849.	To test Clutch rot a) Anticlockwise c) Both direction	direction	, it will rotate only b) Clockwise dired d) None of the ab	ection	(a)
850.	a) The roller are	move to the wide e	ne Il side of the cam pl nd of the cam plate	-	(a)
851.	then a) Shim to be add b) Shim to be add	ded in engine side b ded in blower side b nove from engine s	x gen, if bottom rea both foundation bol both foundation bol ide both foundation	(a) t t	ativ	ve	
852.	Which of the followal Broken pistor c) Plugged after	n ring	for high exhaust ga b) Broken ex d) All of the	khaust valve	(d)
853.	Specified limit of a) ±0.005"	main alternator rac b) ±0.010"	dial run out is c) ± 0.015 "	d) ±0.020"	•	d)
854.	Torque valve of i a) 60 ft-lbs	njector crab nut is b) 70 ft-lbs	c) 50 ft-lbs	d) 35 ft-1	(bs	c)
855.	a) engine will crab) engine will noc) engine will cra	t crake ank but not start	condition then ter 60 seconds throu	ıgh LLOB	(d)
856.	_	ssible thickness of l	ead wire in lead wi	re measuremen			
	is a) 0.13mm	b) 0.51mm	c) 1.73mm	d) None of the	,	c ov	_

857.	In spectrogra a) above 50p c) above 75p	pm	b) ab	e lube oil High ove 125ppm ove 20ppm	range of Boron (E	3) is (d
	Which type of a) Lead acid of Color (Color (battery			Locomotive el cadmium (NiCo um ion (Li-ion) b	
859.	Auxiliary gen a) To excite t c) To run FP	the field of	-		b) For Battery c d) All of the ab	~ ~
860.	Specific grava) 1.1	rity of fully b) 1.15	_	<u> </u>	D locomotive is .25	(d)
861.	What is the ra a) 8V 450 A c) 8V 155 A	h	ty of batter	b) 8V 500 A d) None of the		(b)
862.	What is the ra a) 450 Ah	-	•	y fitted in WDP c) 155 Ah	d) None of	
863.	In HHP Loco	omotive the	ere is how m c) 5	any yaw dampo d) 6	ers is fitted?	(b)
864.	Cylinder test a) Measure c) Measure	compression	on pressure	b) Mea	asure firing pressu of the above	(d)
865.	Color of NAl a) Pink		added coola Green	ant water is c) Yellow	d) Red	(a)
866.	Baggie filter a) Paper mat c) Oil coated	erial		ent material	b) Cotton mat d) All of the a	
867.	No of tube in a) 317	after coole b) 644	er of HHP L c) 688	cocomotive is d) None of the	ne above	a)

)

868.	1st notch TE	of WDG4D Loco	omotive is		(b)	
	a) 35 KN	b) 50 KN	c) 15 KN	d) 25	KN		
869.	There are ho	w many batteries b) 8	s are fitted in WD c) 10		otive? (of the above		
870.		capacity of HHI foot b) 15 cub	P Locomotive? ic foot c) 18 cu	ubic foot d)	`	a) e abov	ve
871.	a) Yearly So	hedule b	upler is renew du b) 2 Yearly Sched) 6 Yearly Sched	dule	(c)	
872.	How many N a) 1	MR tank are fitted b) 2	d in HHP Locom c) 3	otive d) 4	((b)
873.	Which solene a) A	oid valve is energ b) A,C	gizes during idle c) A,D	-	of the above	`)
874.	Which solend a)D c) A,D	oid valve is ener	gizes during 1 st n b) A,C d) None	of the above		(d)
875.	Minimum fla a) 35°C	nsh point of RR-4 b) 194°C	460 is c) 240°C	d) None of		(c)
876.	_	onsumable HP of	HHP compresso	or during unlo	ading at 950	rpm	
	is a) 2.2HP	b) 22HP	c) 23H	HP d)	70HP	(c)
877.	There are hora) 8	w many "pee" p b) 12	ipe fitted in WDo	G4D Locomo d) None		`)
878.	How many p a) 6pole	oles are in main b) 8pc	alternator (TA 1° ole c)	7) ?) 10pole	d) 16pole	(c)
879.	How many g a) 4	ears are fitted in b) 5	camshaft drive g	gear train ? d) 7	ı	(d)

880. During changing power assembly, while pacing head seat ring it should be ensure (d) a) that the chamfered side of the head seat ring is facing up b) that the chamfered side the head seat ring is facing down c) that the word "TOP" stamped side of the head seat ring should be facing up d) both a & c					
881. While placing power assembly on engine it must be a) that fork rod serial number and basket serial number that fork rod serial number and blade rod serial c) the blade rod serial number and basket serial number of the above	mber must be same. l number must be same.				
882. In MEDHA control system hot engine alarm come a) 73°c b) 79°c c) 85°c	e at (d) d) 96°c				
883. Any engine coolant with a PH in excess of unsuitable for use in HHP Engine cooling syst a) 5.5 b) 7.5 c) 9.5 d					
	(c) er type filter in tin container e of the above				
885. To protect FPM in HHP Locomotive a) Fuel oil suction strainer is provided b) Fuel oil primary filter is provided c) Fuel oil secondary filter is provided d) All of the above	(a)				
886. Fuel oil primary filter element is a a) Paper type two stage filter element b) Paper type filter in tin container c) Screen type metallic element	(a)				
d) None of the above 887. Fuel secondary filter element is a a) Paper type two stage filter element b) Paper type filter in tin container c) Screen type metallic element d) None of the above	(b)				

888.	Bottom fuel lin				(b)
	a) Fuel supply		b) Fuel return line				
	c) Fuel by-pas	s line	d) None of the above				
889.	"Clunk Test" is	s used to det	ect		(a)
	a) Misfiring in	iector	b) Lube oil leakage				
	c) Turbo surgi	-	d) Defective govern	or			
	,	C	,				
890.	Function of 15 ₁	psi check va	lve in fuel system is to		(d)
	· ·	-	the fuel manifold				
	b) Ensure prop	•	filling				
	c) Aid in starir	•					
	d) All of the al	oove					
891	In HHP Locom	otive Brake	block to wheel clearance	in no 2-3 4-5 w	heel	disa	,
0)1.	is	lotive Brake	block to wheel elegiance	$\begin{pmatrix} c \\ c \end{pmatrix}$		ais.	
		5.9mm c) 1	19.1mm to 31.8mm d) N	` /	e		
892.	_	_	pump suction pipe vent ho		(c)
	a) 12"	b) 18"	c) 23"	d) None of the	e abo	ve	
803	Matallia nina o	f fuel filter (supply and drain manifold	l assambly are is	inad	hv	
0/3.	a) Welding	T TUCT THEET S	b) Forging	i assembly are je	(
	c) Brazing		d) None of the above			,	,
	0) = 100=112		<i>a)</i> 1,0110 01 1110 11 0 0				
894.	White color in	humidity ind	dicator of air dryer is indi	cate	(c)
	a) Deterioration	ng condition	b) Dry air				
	c) Wet or con	taminated ai	ir d) None of the a	bove			
905	W-11	. 1		1: 4 -	(`
093.	a) Deteriorating	_	ndicator of air dryer is inc b) Dry air	iicate	(c)
	c) Wet or conta		d) None of the	ahove			
	c) wet of conta	iiiiiatea aii	d) None of the	above			
896.	Setting of fuel	oil secondar	ry filter By-pass valve is		(c)
	a) 15psi	b) 40psi	• • •	d) 125psi	`		
	•		ck filter relief valve	4) 4	(b)
	a) 15psi	b) 40psi	c) 70psi	d) 125psi			

898.	Lube oil filter elements must be renevaledat 8nitch &at idle speed	wed if filter tank pressure reaches (a)	
	a) 25psi,7psi	b) 35psi,15psi	
	c) 25psi,15psi	d) 25psi,15psi	
	, 1 , 1	, 1 , 1	
899.	In HHP Locomotive if Engine plus In 24" of H20 than	nertial vacuum reading is more than (c)	
	a) Engine will shut down	b) Engine will come to idle	
	c) Power will be reduced to 6 th notch	d) None of the above	
900.	HHP Locomotive if Engine plus Iner H20 than Power will reduced to 6	tial vacuum reading is more than 24" of th notch through (a)	
	a) EFS b) VFS c) PCS d) None of the above	
	,	,	
901.	of H20 than Baggie filter chocked u	nertial vacuum reading is more than 24" up message will come through (b) PCS d) None of the above	
	u) 215) i es a) i tone of the doore	
902	Atmospheric pressure is measured by	(b)	
702.	a) Manometer b) Barometer	c) Hydrometer d) Pyrometer	
	a) Manometer b) Barometer	c) Trydrometer d) T yrometer	
903	Radiator fan rpm is measured by	(a)	
705.	-	eter c) Decibel meter d) Pyrometer	
	a) Stroboscope b) Vibration inc	eter c) Decider meter d) Fyrometer	
904.	Maximum coupling rim run out (TIR a) 0.005" b) 0.010"	of Compressor Drive coupling is (b) c) 0.015" d) 0.020"	
	-, -, -, -, -, -, -, -, -, -, -, -, -, -	2) 0.020	
905.	In MEDHA control system when turb fan will drop at	oo cool down cycle is running, radiator (a)
	-	c c) Above 85°c d) 96°c	
906.	In HHP locomotive Blended Brake co	ut out switch is located in (a)	
	a) Engine control panel b)	Nose compartment	
	_	ECC3	
	,		
907.	Minimum permissible thickness of le	ad wire in lead wire measurement test is	
	a) 0.13mm	b) 0.51mm (b)	
	c) 1.73mm	d) None of the above	

908.	In HHP locomo	otive Cattle gu	ard is		(c)	ı
	a) 2 ½ "			d) None of the	above		
909.	In HHP locomo			d) None of the		(b)	I
910.	In Lead wire te excee	st the differen	ce between th	ne two compresse	ed ends should	not	
	a) 0.13 mm	b) 1.31 mm	c) 0.19 m	m d) 0.51 m	m (a)	
911.	active, the Loc	co will work		and micro air brand both modes	(,	
912.	Engine model i a) 710G3B			T 46 PAC	d) None of	a) the ab	
913.	Type of Tractic a) 3-phase AC: c) both a & b		b) D(ive C series motors one of the above	(a)	
914.	In WDG4D loc a) Cab 1	omotive EECo) Cab 2			(compressor ro	b) om	l
915.	In HHP loco Ma) 7.14	R efficiency to b) 8.2	est is conduction c) 1	ted through1	mm orifice () None of the a		
916.	be kept in			BP leakage test Last position d) l	(c)		
	In WDG4 loco l a) Green zone & c) Yellow zone	Red zone	b) (f Green zone & Ye None of the above		a)	ı
918.	In WDG4D loc a) 16 CP		COS is provide c) ERCP	ded on d) BP CP	(c)	

919.	Value of Imposition is a) 0.012"-0.0	•			-			(b)
920.	water pump is a) Governor I c) Clutch gear	Drive gear		o) Cam (d) Crank	Gear shaft ge	ar		(a)
	Temperature not exceed by a) 5° C	ý			(main bear (d) he of the ab		hould
922.	Bubble in retua) Lube oil proc) Fuel pressu	ressure dropp	oing	b) Bo	ooster pr	essure dro e dropping	pping	c)
923.	Out of which a) OST	safety device b) EPD	_	omes to I	Idle d) PCS	;	(d)
924.	In HHP locor a) governor d	•			•	er gear d)	`	a) ear
925.	Accessory dri a) front end o c) front & rea	of the engine	b) 1			_	(a)
926.	During EPD (a) 120 second	•	e engine sh seconds		be shut		ore (
927.	TPU is fitted a) Harmonic o c) Main Alter	damper		b) TS d) C		n alternato	`)
928.	No of water pa) 1	b) 2	in WDP4D c) 4	locomo d) 5	otive		(b)
929.	In HHP locor a) to release l c) to release l	oco brake				b) to releas d) None of		ı brake

930.	Crank shaft to	o cam shaft s	peed ra	tio is			(c)
	a) 1: 2	b) 2:1	_		one of th	ne above		
	Fuel tank cap a) 5000 litres c) 6500 litres	•	b)	motive is 6000 litres None of the	e above		(b)
932.	No of teeth in a) 58	n No 2 Idler g b) 64	gear is c) 69	d) 79)		(a)
933.	Compressor (a) 450 ft-lbs	_	_	er nut is tor c) 250 ft-lb	_	550 ft-lbs	(b)
934.	To operate w a) MR1	iper, air supp b) MR2		ceived from c) BP	d) FP		(a	ı)
935.	In HHP locor a) VCD ackn c) to apply tra	owledge		s used for b) to release d) None of			(8	a)
936.	Type of gove a) Woodwar c) EH govern	d governor		IP locomoti b) MCBG d) both a &			(d	.)
937.	In HHP locor a) right side f b) right side r c) left side fr d) None of th	Front end of the rear end of the ont end of the	he engin e engin	ne e			(c)
938.	During EPD shutdown in a) 120 secon						(d	
939.	The sight glaan a) Return sight c) empty sight	ht glass		om engine t b) By-pass d) None		ass	(b)
940.	Flywheel poi a) harmonic o				c) Mai	n alternato	(b r d) N	,

941.	In HHP locomotive crank sha) 1:1 b) 2:1 c	naft to came) 1:2		peed ratio is one of the above	`	a)
942.	Weight of WDG4 locomotive a) 126T b) 1237	ve is () 12	1.2 T	d) 117 T	(a)
943.	Piston of HHP loco is made a) cast iron with brazed on o b) cast iron alloy with chron c) stainless steel with chron d) cast iron	outer sleevene plating	es		(b)
944.	No 1 compression ring of H a) cast iron with brazed on c b) cast iron alloy with tin pla c) stainless steel with chrom d) cast iron	outer sleeve ating		made of	(c)
945.	Cylinder head of HHP locor a) cast iron with brazed on o b) cast iron alloy with tin pla c) stainless steel with chrom d) cast iron	outer sleeve ating			(d)
946.	Lower liner insert of HHP le a) cast iron with brazed on o b) cast iron alloy with tin pla c) stainless steel with chrom d) cast iron	outer sleeve ating		e of	(d)
947.	Head of exhust valve of HH a) cast iron with brazed on o b) cast iron alloy with tin pla c) stainless steel with chrom d) nickel chromium alloy ste	outer sleeve ating he plated		nade of	(d)

948.	Stem of exhaust valve of HHP a) cast iron with brazed on oute b) cast iron alloy with tin platin c) stainless steel with chrome p d) steel	er sleeves ng	(d)
949.	Tin plating is done on HHP pis a) improve thrust load bearing b) reduce liner scuffing c) aid in the break in process d) all of the above		(d)
950.		ated with b) Cylinder liner d) Piston	(c)
951.	Which oil is used in HHP loco a) Servo prime 76 b) Servo p	governor oress 100 c) Servo prime 57 d) bo	(th a	d 1 &	,
952.	In HHP locomotive governor is a) front of the engine c) loco pilot cabin	s fitted on b) rear end of the engine d) ECC-1	(a)
953.	Crank shaft gear damper is che a) 90 days schedule c) 360 days schedule	b) 180 days schedule d) 3 yearly & above schedule	(d)
954.	a) prevent over filling in case ofb) prevent over filling in case of	s provided in both side of the fuel of glow rod gauge is defective of fuel filling flow meter is defecti of wrong set or adjustment in flow	ve	(d	l)
955.	a) 0 – 50 ppm b) 0 –	ngine lube oil normal range of Zin - 20 ppm 10 ppm		Zn) d	

956.	Bubbles in fuel return sight glaa) air draw in suction suction b) the leaky fuel injector c) insufficient fuel supply d) none of the above	0 1	•	`	a)	
957.	Bubbles in the fuel return sight glass after cranking the engine i a) air draw in suction suction side of the fuel booster pump b) the leaky fuel injector c) insufficient fuel supply d) none of the above						
958.	Bubbles in the fuel return sight a) air draw in suction suction b) the leaky fuel injector c) insufficient fuel supply d) none of the above		~		ind c		ates
959.	To charge feed pipe at 6 kg/cm a) F2 feed valve c) C2N feed valve	m ² , which va b) FT1 fee d) Any of t	d valve	(d)	
960.	Auto brake valve handle has a) 2 b) 3	c) 4	d) 5	(d))
961.	In HHP locomotive wheel to ba) 10 mm c) Independ upon the location	ł	o) depend upon th	ne location	b on (wheel
962.	In HHP locomotive FP pressur a) $6.0 \pm 0.1 \text{ kg/cm}^2$ c) $6.2 \pm 0.1 \text{ kg/cm}^2$	b) 6.1 \pm	0.1 kg/cm ² of the above	(a)	
963.	In HHP locomotive fuel oil sp a) right side, front end of the end b) right side, rear end of the end c) left side, front end of the end d) none of the above	engine ngine	s fitted on	(a)	

964. During DBI testing of MR tank of HHP locomotive, hydraulic to done at					s)
		b) 1.5 times working press d) None of the above	`		,
965.	In HHP locomotive exhaust valve close a) 43.5° before BDC c) 107.5° after TDC	e at b) 43.5° after BDC d) 67° after BDC	((1)
966.	To operate ABD, air supply is received a) MR-1 b) MR-2 c) MR		`	l)
967.	TM blower air duct (bellow) is change a) 360 days schedule c) 3 yearly schedule	d at b) 720 days schedule d) 6 yearly schedule	((1)
968.	VCD alarm sound during a) T0 cycle b) T1 cycle c) T2	cycle d) T3 cycle	(()
969.	In which VCD cycle, yellow flashing 1 a) T1 cycle b) T2 cycle c) T3		d)	
970.	Engine lube oil sample analysis is done a) 30 days & above schedule c) Yearly & above schedule		lule)
971.	To Loosen the injector rocker arm adjuant a) Counter clockwise b) clockwise c) any direction d) None of the	e	(a)
972.	Main Purpose of cylinder head seat rin a) to maintain proper piston to head cle b) to provide water sealing between cy c) to absord the vibration of the cylinde d) All of the above	earance linder head & crankcase	(a)

	Which of the fol a) Governor rake b) Rack setting t c) Rotate injecto d) All of the above	e to be locked a ool to use to ad r rake adjusting	t 1" ljust ra	ke length		`	d)
1	To advance inject a) rack adjusting b) rake adjusting c) Rack adjusting d) None of the ab	nut to be rotate nut to be rotate lock nut to be	e antic			(b)
	Cylinder head se a) Copper	eat ring is made b) Aluminium		c) Brass	d) Alun		d) m Bronze
	While placing cy a) chamfered sid b) chamfered sid c) chamfered sid d) None of the ab	e should be facted as the should be facted as the should be out	cing u	p	ure that	(a)
	In HHP Locomo a) 10"	tive length of bb) 12"	orake b	olock is c) 16"	d	(l) 18"	c)
	To decrease injects a) Rack adjusting b) Rake adjusting c) Rack adjusting d) None of the above t	g nut to be rota g nut to be rota g lock nut to be	te te anti			(a)
	Valve of couplin a) 0.020"-0.060" c) 0.080"-0.150"	' t	0.04	essor drive co 0" -0.110" 00"-0.120"	oupling (Fab		ed) is a)
	Compressor of Haa) Single stage co	ompressor	b) Two stage 1) None of th	-	(b)
	In HHP Locomo a) 30-35 psi b	tive normal into) 40-45psi		ler pressure : 0-55psi	is d) 60-65psi	`)

982. In HHP Locomotive if a) Problem in HP cylind c) Problem in both HP	der valve	b) Problem in L	P cylinder valve
983. In HHP Loco during una) Less than 3 minis c) More than 3 minis	b) 3Mins	ressure drop to 15 of the above	5-20psi(a)
984. Crankcase vacuum of can a) Prevent oil from band b) Help to eliminate can be considered by Both of the above d) None of the above	eing drawn past the p	iston ring	(c)
985. Intercooler of HHP Local One-pass intercooler c) Multi-pass intercoole	b)	comotive is Two-pass interco None of the abov	
986. In spectrographic analy a) above 150ppm c) above 15ppm	b) above 125ppm	High range of Co	opper (Cu) is (a)
987. In HHP Locomotive lin a) 12.8-20.2sct 100oC c) 10.8-20.2sct 100oC).18.3sct 100oC	(b)
988. In spectrographic anal indicates a) internal water leakage; c) cylinder liner wear	ge b) cylinder he	I. High range of A and seat ring wear leg, crank pin beari	(b)
989. Permissible limit of roccylinder is a) 0.006"	cker arm shaft support	t height mismatch c) 0.12"	for any one (a) d)0.015"

990. If rocker arm shaft support height for any one cylinder is mismatch greater than 0.006" it will lead to (a) a) cams haft lobe distress and brakeage of rocker arm studs b) crank shaft distress c) crankcase distress d) None of the above							
991. Piston to cylinder head minimum a) 0.13mm b) 0.51mm	m clearance in new power assembly is c) 1.73mm d) None of the						
,	d clearance is b) .002"-008" d) .002"-012"	a)					
993. If LLOB is operated condition that a) engine will crake b) engine will not crake c) engines will crake but not state d) engine will start without any	nrt	(b)					
994. Torque valve of equipment rake a) 455ft-lbs b) 400ft-lb		(a) bs					
995. In WDG4/4D Locomotive conju a) 7-9 seconds c) 16-30 seconds	unction loco brake application time is (b) 8-12 seconds d) 15-20 seconds	c)					
996. Sleeves are provided in engine n a) alternator side bolts c) both alternator & accessory en	b) accessory side bolts)					
997. How many engine mounting bol a) 4 b) 6	Its are fitted in accessory end (b) one of the about	,					
998. Torque valve of Water jumper sa a) 15ft-lbs. b) 20ft-lbs	-	5ft-lbs					
999. Shim of radiator core is renew do a) Yearly & above schedule c) Three yearly & above schedul	b) Two yearly & above sched	lule					

1000. Value of compression pressure reading of HHP locomotive (c) a) 200.300psi b) 275.300psi c) 275-350psi d) 250.375psi

1001.		imum clearar b) 8mm	nce required c) 6mm	for wheel to brak d) 4mm	te block during re	elease	?(a)	
a	Normal TSC rpr) 15000-20000rp) 18500-25000rp	om	HHP Locom b) 18500-2 d) 18500-2	21500rpm			(ł)	
	Minimum TSC 1) 1500rpm	rpm of 4500 h b) 15932rp	-	omotive at full lo c) 18400rpm	ad is d) 01840	00prm		((e)
	Scavenging lube) 1.4kg/cm2	oil pump min b) 4.5kg/cr	_	sure at 8notch is c) 5.2kg/cm2	d) 7.0kg/	/cm2		(a)
	Normal air box path 1.1kg/cm2-1.7c) 1.4kg/cm2-1.7	75kg/cm2	b) 1	ocomotive at full 1.5kg/cm2-1.95k 1.4kg/cm2-1.50k				>	
	In HHP Locomo) 70-90oc	tive normal label b) 70-80oc			99oc		(a)
	Air box pressure the speed range) 2psi greater			aust manifold pro c) 2psi less	essure throughou d) 5psi less	t	(a)
	Normal height o		ef valve safe 2"	ty plate to valve d) 2 ½"	guide is		(b)
a b c	The purpose of t) Protect the scay) Protect the pist) limit the maxis) All of the abov	venging pump on cooling oi mum pressure	o from over l l pump from	oading over loading	engine oil system		(c)
1010.	What is the pist a) 60 to 85 cm		•	r in WDM3A loc c) 95 to 105 cm	co? a d) 90 to 100 c	`)		
1011.	In WDG3A loc a) Nose compa c) Short hood c	rtment	b) Driver o		n/at	(a	.)		
1012.	One of the follo a) MR1 b) M			-) All the above	(c)		
1013.	"D" solenoid in a) Shutdown so				solenoid d) Safe	(a ety sol	,	id	
1014.	When installing port is positione a) downward d c) left side direct	ed in the irection	b) u	gine, make sure pward direction ight side direction	• •		(a)

1015.	In ALCO Locos Fuel oil crossover flexible pipe is located in a) Radiator room b) Nose compartment c) Power takeoff end d) Free end	(c)
1016.	In spectrographic analysis of engine lube oil normal range of Aluminium (Ala) 0-20ppm b) 0-15ppm c) 0-10ppm d) 0-05ppm (d	I)is)		
1017.	Fuel pump motor is not working though the all circuit breakers are switched ON, the immediate reason could be a) ERF not closed b) R1 and R2 not picked up b) GFC not picked up d) FPC not picked up	(d)
1018.	If white smoke is emitting from exhaust chimney, what could be the reason? a) Water mixed with fuel oil b) Governor oil mixed with fuel oil c) Lube oil mixed with fuel oil d) None of these	?(a)
1019.	Number of brake blocks are provided on WDM2 a) 16 b) 24 c) 32 d) 22	(b)
1020.	The number of Brake cylinders provided on WDM2 locomotive a) 6 b) 8 c) 10 d) 12	(b)
1021.	Pre-lubrication is required if an engine that has been shut down for more than hours a) 48 b) 24 c) 12 d) 8	(a)
1022.	Lube oil dipstick gauge of WDG3A is having liters capacity a) 400 b) 380 c) 600 d) 500	(c)
1023.	In HHP Locomotive, lube oil strainer box is fill up with lube oil within a) 30 seconds b) 45 seconds c) 60 seconds d) 75 seconds		(b)
1024.	In Alco Locos Lube oil Cooler is located in (a) Radiator room (b) Compressor room (c) Generator room (d) Under	`	a uck	*
1025.	In ALCO Locos Lube oil Filter drum is located in a) Nose compartment b) Generator room c) Engine block d) Radia	,	d ro	*
1026.	What is the Safety Device provided in the Lube oil system? a) GFOLR b) OSTA c) LLOB d) LWS	(c)
1027.	When LLOB trips, the engine will a) Raise b) Shutdown c) Comes to Idle d) Hunting	(b)
1028.	Electro Pneumatic Governor is located in a) Compressor room b) Radiator room c) Nose compartment d) Rear compartment	(a)
1029.	From where the control air pressure will get air pressure (a) MR2 b) MR1 c) BKTs d) J filter	(b)

	MR (compress a) 8	ed air pressure) b) 9	Unloading wi c) 10	ll takes j d) 11	place atkg /ci	m² (c)
	-	ed air enters to N valve b) MR		_	d) 3 / 4" coc	(c)
O	A pressure cap opens at approx a) 5 PSI	•		r tank fi d) 70 F		(c)
	Cooling Water a) 900	capacity in WI b) 910	DM2 locomotiv c) 1300	ve is d) 1210		(d)
1034.	In WDM2 engi a) Motor	ine, the Water p b) Pulley	oump is driven c) Gear	by	d) Belts		c)
	_		er b) Fail	the loca	o duly observing the wer notches	(e water	b lev) el
	Hot engine alar a) 60	rm (HEA) will b) 70	come at°(C in WD d) 80	G3A	(c)
		8 th notch worki		b) Exce	arm indication will ess load water in expansion	_	c)
	*	cted to ide return head side return hea			er expansion tank he above	(b)
		be switched auto			ng accidents c) Marker light	(d) I	b Doo) m light
		loco shall be b) 5.0, 4.7			5.7 kg/Sq.	.cm. (c)
1041.	What is the col a) Black	or code for the b) Red	B.P pressure p	-	ow	(c)
1042.	DV isolating has a) Vertical				is in isolated posit d) None of these	ion (b)
	_	o stub shaft, mi	nimum clearar c) 0.017"		d) None of the abo	ove		(a)
a)	-		-	ht Bank	top deck cover		(b)

1045. When the speedometer of a running to a) Fail the locomotive b) Work the troc) Work further with50kmph	rain engine becomes defective (b) rain by reducing 10% speed from Booked speed d) Ask for the relief engine
1046. The speed restriction that has to be obengine fails on BG iskmp a) 50kmph b) 30kmph	h.
1047. How much BP should be ensured in the air brake train?a) 6cm2kg,4.9 kg/cm2c) 5kgcm2, 4.8kg/cm2	he engine and BV before staring (c) b) 5.2kg/cm2, 4.7kg/cm2 d) 4.8kg/cm2,5kg/cm2
1048. Low lube oil shutdown by the govern a) HOD (Hot Oil Detector) c) EPD crankcase pressure portion	b) EPD low cooling water pressure portion
1049. Coolant water capacity in HHP locon a)1000 b) 1100	c) 1045 d) 1145
, ,	ble suspension ne of the above
1051. In 710G3B Engine maximum permiss lube oil and water is a) 10°c b) 11.1°c	c) 16°c d) None of the above
 1052. Identify the problem in brake power 'a) A9 coc in both control stand in op b) MU2B in Lead position & 3/4"coc c) For loaded rake the Load/empty d d) All the above 	en condition e in open in Rear loco
1053. If MU loco's get parted through whice a) SA-9 b) A-9 c) F1selector	
1054. The effective Brake Power in case of should be% and enroute can be a) 100, 85 b) 100, 100 c) 100,	not less than%
1055. The following shall not be used for exequipment. a) dry chemical powder b) CO2	
1056. In HHP locomotive hand cranking arra) Left rear side of the enginec) Both side, rear end of the engine	angement is provided on the (c) b) Right rear side of the engine d) None of the above

1057.	What are the present VCD cyclic tina) 60, 8 and 8 secondsc) 170, 17 and 17 seconds		b) 60,17 and 8 se	7 and 17 seco	onds	(a)		
1058.	. What combination of trains are Perm a) Empty/Empty b) loaded/Empt		_	long haul tra ed/Loaded	ain ? d) All	(the	d abo	,		
1059.	What condition is to be observed in a) COC'sc) Load meter overshooting	b) Lub	e oil pre		king	(c)		
1060.	. What is the position of 3/4coc's in bo a) close/close b) open/close c)	th loco w Both o		rying dead lo d) none of th		(b)		
1061.	. What is the position of C3W/DV/28 loco? a) open/open b) close/open c) Box				carrying	; de	ad a)		
1062.	. What is the position of MU2B & BP a) Lead & close b) Trail & op			n banker locc c) Trail & clo		(d)	a No) ne		
	. Fuel oil secondary filter is changed a a) 60 days b) 90 days	c) 180	days	d) None of th	ne above	(b)		
	. Fuel oil primary filter is filtered up to a) 600 μ b) 13 μ c) 2 μ		d) None	e of the above	e			(b)
	. Fuel oil suction strainer is filtered up a) 600 μ b) 13 μ c) 2 μ		d) None	e of the above	e			(a)
	. Fuel oil secondary filter is filtered up a) 600 μ b) 13 μ c) 2 μ		d) None	e of the above	e			(c)
	. Minimum lube oil pressure of HHP l a) 8-12 psi b) 25-29 psi c) 20-			osi				(a)
1068.	. What should be the position of BP & coach/wagon of an air brake train? a) Open b) Close c) No			in an DV iso lose & FP op		(a)		
1069.	. What will happen when isolation has 58wagons are in isolation conditiona) No change in brake power b) loac) Poor brake power d) inc	on?	reduced	I	nation of	(c)		
1070.	 While carrying dead locoto be a) Conjunctional brake application in b) Conjunctional brake application in c) Conjunctional brake in both locode d) All the above 	in rear lo in leading	co			(d)		

1071.	How many ETF a) 1	are fitted in H b) 2	IHP locomor	tive d) 4		(b)	
1072.	The internal para) Fuel oil	,	,	lubricated	by d) None of the	ahova		(a)
1073.	In HHP locomo	tive left side ro	ocker arm ar	e used to o	perate	(b)	
	a) Inlet valve	b) Exhaust v	,	Injector	ŕ				
1074.	locos?				brake self test i	n GM (d)	
	a) Secure lococ) Detach loco		b) Secure f d) Secure b		't detach from fo	ormation.			
1075.	a) Disable wo	rking control sking control st	tand & enab	le nonwor	OG 4 / WDP 4 loking control starting control stan	nd	a)	
1076.	Manual sander a) 30.6kmph	will be working b) 19.5kmph	_	_	-	(b)	
1077.	Manual Sandin power/wheel c a) 30kmph	g is cutout who ereep mode, and b) 10kmph		speeds abo	ove	(c)	
1078.	If hot oil detect a) Idle b) S		ngine comes) Load mete		No effect	(b)			
1079.	Bail off is prov a) Direct brake c) Formation b	e application			te application	(b)	
a	In HHP locomo i) Oil separator of Exhauster			cuum	fitted b) CCM d) all of the abo	·	a)	
1081.	Oil lubricated 7 a) WDM 2	ΓM gear case is b) WDM 3D	s provided in c) WD0		d) WDP 4	(d)	
1082.	In WDG4 loco a) Accessories c) Engine pow		b) (Compressor ECC3	r room	(a)	
1083.	a) Truck isolat	G4 if GR (pownion is to be do beed sensor is to	ne	b) I	Itimes within 10 Defective TM is the Loco			a) l	

1084.	In WDP4/WDG4 loco if LLOB is a) Crank b) Not Fire c) N	in tripped j Not hold	position during cranking engin d) Not crank	e w	ill (d)
1085.	In WDP4/WDG4 loco defective span a) False locked axle indication is b) GR trips more than 3 times with c) Any one TM is defective d) Crow bar fires	experience	ed	(a)
1086.	In WDP4/WDG4 banker loco wor a) Lead b) Trail c) H	king C/S, HLPR	L/T switch should be kept in d) Test	(c)
1087.	·		ective truck	(a)
1088.	In WDP4/WDG4 dead loco for quality a) MR equalizing cock c) BP equalizing pipe	b) BC	e of loco brakes open one side equalizing cock h a & b	(d)
1089.	In WDP4/WDG4 banker loco wor a) FS position b) Run position		ol stand A9 should be kept in delease position delease po	•	a ositi	/
1090.	Oil visibility in bye pass sight glas a) Primary filter is choked. b) S c) Lube oil filter choked. d) I	Spin on filt		(b)
1091.	In WDP4/WDG4 loco choking of a) Filter condition gauge. b) (c) Both A & B	Dil visibili	imary filter is indicated by ty in bye passes sight glass. visibility in sight glass near to	(eng	a	,
1092.	In WDP4/WDG4 Loco when lube a) Hot oil detector operates b) I	-		(a a	d nd b	<i>'</i>
1093.	In WDP4/WDG4 loco if water pre a) LLOB trips c) Crank case pressure button wil		ss b) Low water pressure button d) Both a and b	(wil	d l tri	/
1094.	In WDP4/WDG4 loco when PCS a) MAB breaker should be recycle c) Air drier breaker d) Both a a	led b) TC		(a)
1095.			ir brake self test I TCC2 c) Recycle Air drier b	(reak	a ker.)
1096.	In WDP4/WDG4 loco engine shown a) Low water button is tripped c) LLOB is in tripped	b) crai	cranked when nk case pressure button is tripp TA is tripped	(ed	b)

1097. In WDP4/WDG4 loco load meter will not respond if a) GFB trips b) AGFB trips c) Both a & b d) MAB trips
1098. In WDP4/WDG4 when continuous wheel slip is experienced due to locked axle (c) a) Isolate the defective TM b) Isolate the defective speed sensor b) Fail the loco immediately d) Isolate the defective truck
1099. To measure the speed of HHP locomotive is used a) Axle generator b) Pulse generator c) Radar d) None of the above
1100. Location of Battery Knife Switch in WDG4 Loco is a) Nose Compartment b) In Accessories Room c) In LP's cab d) Loco Left Side Foot Plate
1101. In WDP4/WDG4 loco while conducting BP leakage test L/T switch should (c) be kept ina) Lead position b) Trail position c) Test position d) Helper
1102. If FOP is dropping due to filter choked a) By pass secondary Filter b) By pass primary filter c) Both a & b d) Dummy FIP
1103. Bogie configuration of WDP4 Locomotive is a CO-CO b) BO1 - 1BO c) BO-BO d) BU-BU
1104. Axle Load of WDG4 Locomotive is a) 20.5 T b) 22.5T c) 25T d)19.5T
1105. Axle Load of WDP4 Locomotive is a) 20.5 T b) 22.5T c) 25T d) 19.5T
1106. HHP Loco Hand brake is applicable for Wheel No. (c) a) L4,R4 b) L2,R2 c)R4,R5 d)R3,R4
1107. Primary stage suspension in WDG4 is accomplished by a) Shock absorber b) helical coil spring c) Damper d) Load pads
1108. Length of WDP4B locomotive is a) 22.98 meters b) 21.24 meters c) 21.7 meters d) None of the above
1109. Dynamic brake grid motor is a a) DC motor b) Single phase AC motor c) Three phase AC motor d) None of the above
1110. According to RDSO specification, radiator core leakage test is done at psi a) 20 b) 50 c) 75 d) 90 (c)
1111. Secondary stage suspension is accomplished by a) Load pads b) damper c) rubber compression springs d) helical coil spring

1112.	Traction Motor gear ratio for MAC is a) 17:77 b) 18:90 c) 17:90 d) 1	6:90	(c)
1113.	. WDG4 Loco is provided with type of boat three-axle bolster lessbogie b)Tri-mount	gie	,	a il)
1114.	a) DCU b)VCU c) PCU	B system. d) DVR	(b)
1115.	Brake cylinder pressure maximum isKg/Cm ² a) 3.8 b) 3.2 c) 2.2 d) 5		(a)
1116.	. Length of radiator cooling fan blade is a) 52" b) 48" c) 23" d) N	None of the above	(a)	
1117.	the lower left of each console a)D 1 emergency valve b) Indepen c) Direct Brake valve d) compani			a)	
1118.	. MRPT-main reservoir pressure transducer reads p a) Between MR1&MR2 b) MR1 pressure		() FI) essure
1119.	. The air brake system, trips locomotive control system. relay initiates a safety control or emergence a) PCR b) FPR c) WSR d)Sl	cy air brake application.	(a)
1120.	. The EM2000 reads main reservoir air pressure fro a) BPT b)BCT c) E	m transducer.		d)
1121.	. What is the code for Brake pipe control failure in a a) 8A b) 6A c)10A d) 2		(b)
1122.	. What is the code for Brake pipe leakage failure in a) 6B b) 10B c)6F d) 6		(a)
1123.	, ,	n WDG4 Loco motive? Creation of BP Emergency application	(a)
1124.	Why Maximum of 5.2kg/cm2 brake cylinder pres 3.5kg/cm2 as in conventional locos? a) High horse power loco b) Speed is c) A single shoe system is used d) To have	-	(c)
1125.	. Where the booster air pressure stored in Two stroka) In air box b) manifold c) tank	ke engine? d) MR	(a)
	. If local control circuit breaker is trip, the loco shown a) LLOB b) FFCO c) MUSD d) N	•			(a)

1127.	Loading and u a)MVCC	nloading of cor b) EPG	npresso	r is controlle c) RGCP	•	in WDC e of the ab		a)		
1128.	After cranking cooling before a) 20				s for starte	er motor	(c)		
1129.	Do not crank ea) 30seconds	engine for more b) 1minutes			_	rs in HHP.	(d)		
1130.	Starting fuse is a) Left side of c) Both side of	the locomotive		b) Right sid d) None of t		comotive			(a)
1131.	8 th notch engir a) 1050	ne RPM of WD b) 1000	G4 c) 954	d) 9	15		(c)		
1132.	Buffer Height a) 1105 mm to c) 1105 mm to	o 1000mm		b) 1105 mm d)1125 mm			(b)		
1133.	Maximum con a) 140	tinuous speed ob) 150	of WDP c) 160			kmp	h (c)		
1134.	How many numary 8	mber of batterio	es are th	ere in WDP4 d)6 l		ive	(b)		
1135.	Low idle RPM a) 210	I of WDP4 eng b) 200		c) 220	d) 215		(b)		
1136.	Lube Oil capaca) 9	city of Compre b) 8	ssor in V c) 10	WDP4 is			(c)		
	Standard side 1) 584 mm	buffer projection b) 635 mm	on is	c) 650 mm	d) Non	e of the ab	`	b))		
a)	Battery box is latery box is later box is latery box is later box is latery box is later box is latery box is late	e locomotive	VDG4	b) Right sid d) None of t		comotive	(a))		
1139.	Maximum rectal a) 250	tified output vo b) 230	oltage of c) 200	-		· is v	olts (b)		
1140.	Maximum rect	ified output vol b) 2500	tage of 'c) 2700		ernator is_ d) 2600		lts (d)		
1141.	Minimum con is kmph	-			effort of V		omotive	e((d)		
	a) 15.5	b) 20		c) 10.0		d) 22.5					

1142.	HP of WDG4	Loco motive is		HP		(a)
	a) 4500	b) 3900	c) 3950	d) 3939		`		,
1143.	Normal idle R a) 290	PM of WDP4 I b) 269		d) 296		(b)
1144.		r Pump in WDF pump b) Air		c) Centrifu	gal Pump d	() Gear pu	c ump	,
1145.		tripping rpm is) b) (11)		c) (1045 ±	20) d)	`	c 20)	,
		rnor drive gear (b) 0.008"			0.020" d)	0.007" -	- 0.0	(a) 025"
	-	valve is located b) loco right		ine right side	e d) none o	f the abo	ve	(b)
1148.		of Starting fuse b) 1000 amps			os	(d)
1149.	How many pos a) 3	sition does PRII b) 2	ME/START sw c) 1	ritch hasd) 4		(;	a)
1150.		EM2000 re less than the 00 b) less		iested.		()	b s tha	•
1151.		perature is great ep the traction r b) 100				will (a)
1152.	Maximum star a) 120T	ting effort of W b) 54T	DG4 is c) 22T	d) 44T	-	(b)
1153.	a) To cut out	/R (brake warn Dynamic brake rking of Dyn br	e in case of Ove		b) Protect Dy d) All the abo	_	a)
1154.	a) To limit tra	L (Tractive effort to 2 active effort to 2	200KN or 20T	b) To limit	tractive effor		KN (
1157.	a) to reducesb)to reducesc) to reduces	g of VCU is 73.5 V DC to fi 73.5 V DC to file 72 V DC to file 110 VDC to fi	iltered 25 V DC iltered 24 VDC tered 25 V DC	to CRU to CRU		(b)

1158. The main functions of EM2000 computer is a) Logic b) Excitation c) Display d) All	(d) of the above
1159. How Crank case vacuum is maintained in WDG4/WI a) Blower b) Crank case exhauster c) Educ	
1160. Fuel oil primary filter is located at a)Generator Room b) Engine room c) Radi	(d) iator Room d) Equipment rake
1161. If the pressure across the primary filter element exceed valve begins to open, bypassing the primary fuel filt a) 1.6kg/cm2 b) 5.3kg/cm2 c) 4.8kg/cm2 d) 2.1kg/cm2 d) 2.	ter. (d)
1162. When fuel oil pressure at the spin-on filters input rise bypass valve opens fully and fuel bypasses the enginal 5.3kg/cm2 b) 4.2 c) 4.8kg/cm2	1
1163. What is the Fuel oil tank capacity in WDP4D locome a) 6000 b) 5000 c) 3000 d)5500	
1164. How many Power Contactors are available in WDG4 a) 7 b) 9 c) 8 d) 0	- Locomotive? (d)
1165. WDG4 Engine idle RPM a) 469 b) 369 c) 269	(c) d)360
1166. LOPS setting of WDG4 loco in 8 th Notch is a) 25-29 psi b) 8-12 psi c) 12-20 PSI d) 20-3	(a) 30PSI
1167. LOPS setting of WDG4 loco in idle is a) 10 - 12 PSI b) 8-12 psi c) 12-20 PSI d) 20-3	(b) 30 PSI
1168. The purpose of Turbo lube pump in WDP4 Locomotical a) To lubricate the Turbo b) To remove the residue) To lubricate turbo Bearing d) To lubricate crank s	dual heat
	etermine (c) value of lube oil of the above
1170. Drop in flash point of lube oil in indicates a) water contamination b) fuel oil contamination c) carbon contamination d) all of the above	(b)
1171. A lower flash point & fuel dilution of lube oil may be a) crankcase explosions b) LLOB operation c) EPD operation d) all of the above	e cause of (d)
1172. In "RR 520 MG", "20" indicates a) total base number of lube oil b) total brinner c) generation of lube oil d) grade of lub	(a) l number of lube oil be oil

c) a hand syringe inserted through the dipstick hole d) all of the above 1174. No of spline nuts fitted in accessory drive housing a) 45 b) 24 c) 73 d) 57 1175. Turbo lube pump should be running forminutes after engine is shutdown if engine was running at 5th notch and higher for 60minutes prior to engine shut down. (b) a) 15 b) 35 c) 20 d) 45 1176 Number of brake blocks are provided on WDG4 a) 16 b) 12 d) 32 d) 22 1177. Lube oil dip stick gauge capacity in WDG4 locos isliters. a) 400 b) 550 c) 625 d) 700 1178. MR Cooling coils in WDG4 is located at a) Under truck b) Engine block c) Radiator room d) Compressor room 1179. Maximum Stall Tractive Effort of WDG4 Locomotive is a) 540KN b) 400KN c) 200KN d) 250KN 1180. How many water pumps available in EMD locomotive engine? (d) a) 1 b) 4 c) 3 d) 2 1181. If the coolant temperature reaches degree C, the locomotive will go to throttle six limit. (a) 95 b) 92 c) 85 d) 100 1182. EPD is Located at a) Engine Accessories Room c) Radiator Room d) Equipment rake 1183. The EM2000 will consider a temperature probe failed if it reads (b) Less than -55 degrees C or greater than 150 degrees C c) More than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C 1184. The system maintains the coolant temperature within a predetermined range of from a) 79° C to 85° C b) 85 to 95 c) 92 to 100 d) 72 to 80 1185. What is the indication for blown radiator fan fuse? (c) a) LED	c) a hand syringe inserted through the dipstick hole d) all of the above 1174. No of spline nuts fitted in accessory drive housing a) 45 b) 24 c) 73 d) 57 1175. Turbo lube pump should be running forminutes after engine is shutdown if engine was running at 5th notch and higher for 60minutes prior to engine shut down. (b) a) 15 b) 35 c) 20 d) 45 1176 Number of brake blocks are provided on WDG4 a) 16 b) 12 d) 32 d) 22 1177. Lube oil dip stick gauge capacity in WDG4 locos isliters. a) 400 b) 550 c) 625 d) 700 1178. MR Cooling coils in WDG4 is located at a) Under truck b) Engine block c) Radiator room d) Compressor room 1179. Maximum Stall Tractive Effort of WDG4 Locomotive is a) 540KN b) 400KN c) 200KN d) 250KN 1180. How many water pumps available in EMD locomotive engine? (d) a) 1 b) 4 c) 3 d) 2 1181. If the coolant temperature reaches degree C, the locomotive will go to throttle six limit. a) 95 b) 92 c) 85 d) 100 1182. EPD is Located at a) Engine Accessories Room d) Engine room c) Radiator Room d) Equipment rake 1183. The EM2000 will consider a temperature probe failed if it reads (b) Less than -155 degrees C or greater than 150 degrees C c) More than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -56 degrees C or greater than 150 degrees C d) Less than -57 degrees C or greater than 150 degrees C d) Less than -58 degrees C or greater than 150 degrees C d) Less than -58 degrees C or greater than 150 degrees C d) Less than -57 degrees C or greater than 150 degrees C d) Less than -58 degrees C or greater than 150 deg	1173. Lube oil sample should be collected by	(d)
1174. No of spline nuts fitted in accessory drive housing a) 45 b) 24 c) 73 d) 57 1175. Turbo lube pump should be running forminutes after engine is shutdown if engine was running at 5th notch and higher for 60minutes prior to engine shut down. (b) a) 15 b) 35 c) 20 d) 45 1176 Number of brake blocks are provided on WDG4 a) 16 b) 12 d) 32 d) 22 1177. Lube oil dip stick gauge capacity in WDG4 locos isliters. a) 400 b) 550 c) 625 d) 700 1178. MR Cooling coils in WDG4 is located at a) Under truck b) Engine block c) Radiator room d) Compressor room 1179. Maximum Stall Tractive Effort of WDG4 Locomotive is a) 540KN b) 400KN c) 200KN d) 250KN 1180. How many water pumps available in EMD locomotive engine? (d) a) 1 b) 4 c) 3 d) 2 1181. If the coolant temperature reaches degree C, the locomotive will go to throttle six limit. a) 95 b) 92 c) 85 d) 100 1182. EPD is Located at a) Engine Accessories Room b) Engine room c) Radiator Room d) Equipment rake 1183. The EM2000 will consider a temperature probe failed if it reads (b) 2 along than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 150 degrees C d) Less than -55 degrees C or greater than 250 degrees C d) Less than -55 degrees C or greater than 250 degrees C d) Less than -55 degrees C or greater than 250 degrees C d) Less than -55 degrees C or greater than 250 degrees C d) Less than -55 degrees C or greater than 250 degrees C d) Less than -55 degrees C or greater than 250 degrees C d) Less than -55 degrees C or greater than 250 degrees C d) Less than -55 degrees C or greater than 250 degrees C d) Less than -55 degrees C or greater than 250 degrees C d) Less than -55 degrees C or greater than 250 degrees C d) Less than -55 degrees C or greater than 250 degrees C	1174. No of spline nuts fitted in accessory drive housing a) 45 b) 24 c) 73 d) 57 1175. Turbo lube pump should be running forminutes after engine is shutdown if engine was running at 5th notch and higher for 60minutes prior to engine shut down. (b) a) 15 b) 35 c) 20 d) 45 1176 Number of brake blocks are provided on WDG4 a) 16 b) 12 d) 32 d) 22 1177. Lube oil dip stick gange capacity in WDG4 locos isliters. a) 400 b) 550 c) 625 d) 700 1178. MR Cooling coils in WDG4 is located at a) Under truck b) Engine block e) Radiator room d) Compressor room 1179. Maximum Stall Tractive Effort of WDG4 Locomotive is a) 540KN b) 400KN c) 200KN d) 250KN 1180. How many water pumps available in EMD locomotive engine? (d) 2 1181. If the coolant temperature reaches degree C, the locomotive will go to throttle six limit. (a) 95 b) 92 c) 85 d) 100 1182. EPD is Located at (a) Engine Accessories Room (b) Engine room (c) Radiator Room (d) Equipment rake 1183. The EM2000 will consider a temperature probe failed if it reads (b) a) Less than -55 degrees C or greater than 150 degrees C c) More than -55 degrees C or greater than 150 degrees C c) More than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) More than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55 degrees C or greater than 150 degrees C c) Less than -55				
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	b) Buzzer	· ·)		
h) Kuzzer	, and the state of	•			
c) Fuse blown out Indicator will project out	c) Fuse blown out Indicator will project out	· · · · · · · · · · · · · · · · · · ·			
<u>. </u>	d) Message				

1186. What precaution should be taken for a) Secure loco b) Secure for d) Secure both, close BP & FP COC	mation c) Detach loco and secure	loco	os?(d)
1187. What should be done first for changin a)Disable working control stand & e b) Enable working control stand & c c)As per convenience d) None	enable non working control stand	?(a)
1188. What should be the position of L/T s a) Trail b) Lead	witch in trailing loco of WDG4/WDI c) Both d) Of		IU?	(a)
	or Passenger Train detained more that Continuity test ake Power test.	n 30 (min b	
1190. AGFB Stands for	(b			
a) Auxiliary Generator Field Buttonc)Additional Generator Field Buttor				
1191. BL KEY Stands for a) Button Lever Key c) Box Lever Key	b) Big Lever Key d) none	(c)
1192. CRU Stands for a) Control Relay Unit c) Constant Relay Unit	b) Centre Relay Unit d) Computer Relay Unit	(d)
1193. DCL Stands for a) Direct Circuit Link c) Digital Current Link	b) Direct Current Link d) Digital Circuit Link	(b)
1194. DIO Stands for a) Digital Input Output c) Direct Input Output	b)Digital Internal Output d)Digital Interlock Output	(a)
1195. ECC-1 Stands fora) Electrical Control Circuit-1c) Electrical Control Cabinet-1	b) Electrical Control Cubica d) Electronic Control Cabin		c)
1196. EPU Stands for a) Engine Performance Unit c) Engine Pressure Unit	b) Engine Pick Up d) Electrical Pick Up	(b)
1197. FP RLY Stands for a) Fuel Pressure Relay c) Full Pressure Relay	b) Failure Protection Relayd) Fuel Pump Relay	(d)

1198.	GTO Stands for		(a)
	a)Gate Turn Off Thyrister	b) Gate Thyrister off			
	c) Gate Turn On	d)Gate Thyrister On			
1199.	IPR Stands for		(d)
	a) Inverter Protection Relay	b) Insulator Protective Resistor			
	c) Inverter Protective Rod	d) Inverter Protective Resistor			
1200.	MMC Stands for		(c)
	a) Miss Management Case	b) Miscellaneous Manager	,		,
	c) Miss Management By Crew	d) Miscellaneous Managen	nent	Ву	Crew
1201	WDG4D is specially designed for	(a			
1201	2 0	service c) Mixed service d) None			
	,				
1202	No. Of teeth in HHP loco crank shat	ft (d	l)		
	a) 58 b) 64 c) 113	d) 79			
1202	WDC41		(_	`
1203	WDG4 loco is a a) Single cab loco	b) Dual cab loco	(a)
	c) Dual cab loco with disc brake	d) None			
	e, Built cus 1808 Willi disc stake	d) Hone			
1204	In WDG4 left cam gear is driven by	(с	:)		
	a) right cam gear	b) No.1 Idler gear			
	c) No. 2 Idler gear	d) Crank shaft gear			
1205	Maximum speed of WDG4D loco is	s KMPH (b	.)		
1203	a) 100 b) 105 c) 135)		
	<i>a</i> , 100 <i>b</i> , 103 <i>c</i> , 133	d) 100			
1206	No. of cylinders in HHP loco engine	e (c)		
	a) 8 b) 12 c) 16	d) 20			
1207.	Torsional damper is fitted on	`	.)		
	a) Front end of engine	b) Rear end of engine			
	c) Front & Rear end of engine	d) None of the above			
1208	Do not pour water in HHP loco	(b)		
	a) DM b) Raw c) Dis	· ·			
1209	TRD timing of 710G3B TSC is		(b)
	a) Minimum 30 sec	b) Minimum 50 sec			
	c) Minimum 60 sec	d) Minimum 180 sec			

1210.	M	odified water pump	has				(b)
	a)	Taper bearing			b) Ball bearin	g			
	b)	Both taper & ball	bearing		d) None				
1211.	То	operate sander, air	supply is recei	ived fro	m		(a)
	a)	MR1	b) MR2		c) BP	d) FP			
1212.	No	o. of rollers in cluto	ch assembly				(c)
	a)	8	b) 12		c) 16	d) 20			
1213.	Dı	uring setting of TD	C pointer, which	ch powe	r assembly is k	cept at E	BDO	2(a
	a)	No. 1	b) No. 16		c) No. 8	d) No.	9		
1214.	In	HHP loco exhaust	manifolds have	e no	. of chambers	(a)		
	a)	4	b) 7		c) 8	d) 5			
1215.	Lo	ow viscosity indicat	tes				(a)
	a)	Mixing of fuel oil	in lube oil		b) Mixing of	water in	lut	e c	oil
	c)	Mixing of carbon	particles in lub	e oil	d)None				
1216.	In	HHP loco bail off	ring is provide	d on			(c)
	a)	Auto brake handle	b) Driv	ver back	up valve				
	c)	Direct brake hand	le	d) Non	le				
1217.	Ac	cessory drive coup	ling retaining b	olt is to	rque at ft-	lbs	(b)
	a)	450	b) 650 c) 250		d) 750				
1218.	In	HHP loco exhaust	valve opens at				(b)
		23° after TDC		,	° after TDC				
	b)	180° after TDC		d) 43°	before BDC				
1219.	Fu	all form of "EMD	EC" is				(a)
		Electro Motive Di	· ·						
	,	Electro Motive Di	Ū						
		Electro Motive Di None of the above		e Contro)]				
	u)	Trone of the doore	•						
1220.		ngth of WDG4D lo		mete		_	(a)
	a)	22.98	b) 21.54		c) 21.7 d) 19.5)			
1221.	To	o operate MVCC, a	ir supply is rec	eived fr	om		(a)
	b)	MR1	b) MR2		c) BP	d) FP			

1222.	After changing power a	assembly which of th	ne following operation	is n	•	
		1) (D		(d)
	a) Injector timing		e' pipe alignment			
	c) Lead wire test	d) Nor	ne of the above			
1223	In HHP loco mainly w	hich governor is fitte	ŀd	(a)
1225.	a) Woodward governo	•		Noi		,
	u)	2 0) 1.102 0	o) zii goveinoi o)	1,01		
1224.	HHP locomotive has a					(a)
	a) 2 stroke engine		b) 4 stroke engine			
	c) Multi stroke engine		d) None of the above			
1225.	In HHP loco TSC is fit			(b)
	a) Front end of the eng		r end of the engine			
	b) Front or rear end of	the engine d) Nor	ne			
1226	During EDD testing at I	dla anaina namally	shutdown in soo (\	
1220.	During EPD testing at I a) 120 b) 40	c) 60	d) 30	c)	
	a) 120 b) 40	c) 60	d) 30			
1227	EPU fitted on			(b)
1227.	a) Harmonic damper	b) Starter mot	or bracket	(U	,
	c) Main alternator	d) Companior				
	c) wan attended	u) Companior	rutternator			
1228.	No. of radiators fitted i	n WDP4D loco is		(b)
	a) 1 b) 2	c) 4	d) None of the above			
1229.	Radiator fan mounting	bolt is torque at	ft-lbs.	(b)
	a) 450 b) 100 c) 250 d) 50				
1230.	During injector rack se		-	(a)
	a) 1.00" b) 1.02"	c) 1.96"	d) 0.62"			
1001	I. IIIID I	1.1		(.1	`
1231.	In HHP loco power asso	embly consists of	h) Culindan Haad	(d)
	a) Cylinder linerb) Piston ,ring, carrier	& connecting red as	b) Cylinder Head	hor	70	
	b) Fiston, ing, carrier	& connecting fod as	sembly d) all of the	abo	<i>V</i> C	
1232.	Liner of HP loco is mad	le of		(a)
1202.	a) Cast iron with braze			`	••	,
	b) Cast iron alloy with					
	c) Stainless steel with					
	d) Cast iron					
1233.	Type of CBC fitted in V	VDG4D loco is		(a)
	a) E-type b) F-type	e c) H-type	d) None of the above			

1234.	Which of the following crank case oils are approved for ap	plication i (=
	a) Servo RR 520 MG of M/s IOCb) MAK RR517 M of M/s BPC	`		,
	c) HP RR 817 M of M/s HPC d) All of the above			
1235.	Scavenging pump is a a) Reciprocating pump b) Centrifugal pump c) Positive displacement helical gear type pump d) None of the above			(c)
1236.	No. of starter motors fitted in WDP4D loco is a) 2 b) 1 c) 3 d) None	(a)
1237.	Starter motors in HHP loco are a) AC motors b) DC series motors c) 3 phase AC motors d) None of the above		b)
1238.	Starter motors in HHP loco are connected in a) Series b) parallel c) Series parallel	d) None	b)
1239.	For starting of HHP loco a) Single electric motor is used b) Dual electric motor is used c) Dual air starting motor is used d) None of the above	(b)
1240.	Rating of starting motor fuse is a) 400 A b) 800 A c) 500 A	d) None	b)
1241.	Use of starting fuse is a) Only during engine starting b) Only during engine running c) Only during engine shutdown d) All of the above			(a)
1242.	Number of piston rings in HHP engine piston a) 2 b) 4 c) 5 d) 6	(d)

1243.		trol system if	starting fuse is	removed during			
	running then				(d)
	a) Engine wil						
		l come to Idle	;				
	c) TE will con		_				
	d) There will	be no effect o	n engine				
1244.	Purpose of sta	rting fuse is			(c)
	-	•	voltage) control	l circuit	·		,
	•		voltage) contr				
	_	_	from current of				
	d) All of the a						
1245.	Black light test	t is related to			(b	
	a) Power asse	embly	b) Fu	el system			
	c) Turbo supe	er charger	d) Lu	be oil system			
1246.	No. of teeth in	starter motor	pinion is				(c)
	a) 10	b) 15	c) 11	d) None			
				1 3 1			
		_		prime/engine start sv	vitch	(FP	P/ES) to ES
po	osition for more			(a)			
	a) 20	b) 30	c) 60	d) 80			
1240	D 11 1 . 1			1		,	
1248.				ear and starter motor p			
	a) 0.008"-0.0	16″ b) 0.	007"-0.025"	c) 0.015"-0.040" d) 0.02	20′′-	-0.030″
1240	Commence	CHUD less is			(,
1249.	Compressor of			. dui D-14 dui	1	а N.	,
	a) Mechanica	i driven b) E	dectrical motor	driven c) Belt drive	n a)	NO	ne
1250	compressor off	Soion ov tost is	anduated wit	h mm ahalza	(h	`
1230.	_	b) 7.14		h mm choke	(b)
	a) 7.5	0) 7.14	c) 7.6	d) 8.2			
1251	In IIIID loop is	mlat mant alogo	a at		(h	`
1231.	In HHP loco in a) 43.5° before	-		DDC	(b)
	,		b) 43.5° after d) 67° after E				
	b) 107.5° afte	ribe	d) 67 after E	DC .			
1252	In HHP loco v	vater pressure	can is set at	nsi	(a)
1232.		b) 12	c) 15	d) 20	(и	,
	<i>u)</i>	0) 12	0, 13	4, 20			
1253	For CCB syste	em air supply	is received from	m	(b)
	•	b) MR2	c) MREQ	d) None	`	-	,

1254.	a)b)c)	Only mair Only cam Only TSC All of the	bearing shaft bea bearing	& conne	ubricated		s lubricate	d	(c	;)
1255.		el oil prim	-	conditio		_		(d)	
		Green zon	e		,	Yellow zo				
	c)	Red zone			d)	all of the a	ibove			
1256.		BI of testing 24 months	_					of (c)	
1257.	In	HHP loco	TSC spin	on filte	r is fitted	on			b)	
		Right side	-				rear end o	f engine		
		Left side,		_		_				
1258.	a)	HHP loco Engine rui Engine sh	n & Idle o	conditio	n	checked a	t ((a)		
	c)	Engine rui	n & 8 th no	otch con	dition					
	d)	Any of the	e above							
1259.	a) b)	HHP loco Engine run Engine sh Engine run Any of the	n & Idle o utdown c n & 8 th no	condition	n	d at	((a)		
1260.	In	HHP loco e	epicyclic	gear trai	n is found	d in	((a)		
		Turbo sup Cam shaft						r train		
1261.		DP4D loco Left hand			_	•		(a)		
1262.	In	jector hand	control l	ever is a	lso know	n as	((a)		
	a)	Lay shaft	1	o) Jackir	ng shaft	c) po	wer shaft	d) Nor	ne	
1263.	Nu a)	umber of M	Iain beari b) 9	_	IHP locor) 10	notive d) 11	((c)		
1264.	Uı	o to no	tch HHP	loco car	be raised	d without l	load ((b)		
	-	4 th	b) 5 th) 6 th	d) 7 th		,		

1265.	M	R efficiency	y test is related	l to			(d)			
	a)	Power asse	embly		b) MR	tank					
	c)	Turbo supe	er charger		d) Con	npressor					
1266.	a)	arking rang 1.96" – 0.6 1.02" – 1.9		termina	b) 1.00	cale is 0" – 0.62" 2" – 0.62"	(a)			
1267.	No	o. 9 to 16 pc	ower assemblie	es are				(a)	
		Fork type			b) Blac	de type					
		Fork & Bla	ade mixed			e of the above	ve				
1268.	No	. 1 to 8 pow	ver assemblies	are				(b		
		Fork type			b) Blac	de type					
		Fork & Bla	ade mixed			e of the above	ve				
1269.	a)	HHP loco A Right side No. 2 Idle	=	erator dri	b) Left	is driven by side cam ge	ar	(a)	
1270.	No a)	-	ession rings fit b) 2	ted in H	HP eng	ine piston d) 4		(d)	
1271.		HHP loco _I RR 460	pinion end TH b) Grease			cated by mpound d)	None	(a)	
1272	In	HHP loco l	both side cam	gear rots	ate			(b)	
12,2.		in same di		gear rou		pposite direc	tion	(U	,	
			crank shaft ro	tation	d) Non						
1273.	a)b)c)	rpm of can	ne relation between shaft = rpm of shaft = $\frac{1}{2}$ of a shaft = $\frac{1}{4}$ of the above	of crank rpm of c	shaft crank sh	aft	t rpm		(a)	
1274.	No	o. of critical	main bearing	in HHP	loco				(b)	
	a)	2	b) 4	c) 5		d) 6					
1275.	In	HHP loco	water drain co	ck is loc	ated in					(a)	
		Accessory				ler truck loco	-				
	b)	Under truc	k loco left side	е	d) Con	npressor roor	n				

1276.	HHP locomotive is a		(a)
	a) Left hand drive loco	b) right hand drive loco			
	b) Both hand drive loco	d) None of the above			
1277.	ECC-4 is found in		(d)
	a) WDP4 b) WDG4 c) WI	DP4B d) WDG4D			
10-0					
1278.	In HHP loco torque value of Alterr	_	(c)
	a) 295 ft-lbs b) 650 ft-lbs c)	1400 ft-lbs d) 2400 ft-lbs			
1270	Height of roil guard in HUD loss is			0	`
12/9.	Height of rail guard in HHP loco is a) 4 ½ " b) 5 ½ "	c) 6 ½ " d) None		a)
	a) 4 /2	c) 6 /2 d) None			
1280	Number of air inlet ports in a power	er assembly		d)
1200.	a) 8 b) 12 c) 16	d) 18		u	,
	<i>a,</i> 0 <i>b,</i> 12 <i>c,</i> 10	d) 10			
1281.	Compressor of HHP locomotive is	a	(b)
	a) Rotary compressor	b) Reciprocating compressor			
	c) Centrifugal compressor	d) None of the above			
	, 6 1				
1282. OSTA operation of HP loco is checked in schedule					
	a) 30 days & above	b) 90 days & above			
	c) 180 days & above	d) Yearly & above			
1283.	Purpose of Torsional damper in HH	IP locomotive is	(a)
	a) To absorb crank shaft torsional	vibration			
	b) To absorb vibration of locomoti	ve			
	c) To absorb vibration of main alte	ernator			
	d) None of the above				
1284.	Number of teeth in Sun gear is	N 100	(a)
	a) 37 b) 26 c) 58	d) 130			
1005	Y 1 611 71 1 1 1	TID1 11 11 1	,	1	,
1285.	Number of lube oil bypass valves i	-	(b)
	a) 1 b) 2 c) 3	d) 4			
1286	What is the limit of crush height in	HHD logo	(b	`
1200.	a) $0.007" - 0.025$	b) 0.008" – 0.017"	(υ	,
	c) 0.016" – 0.039"	d0 0.006" – 0.018"			
	e, 0.010 0.00 <i>)</i>	0.000			
1287	Height of WDP4 loco (over Horn) i	n meters	(a)
	a) 4.22 b) 4.25	c) 4.20 d) None	(-•	,

1288. Number of inle	t valves fitted in I	HHP loco power	assembly	(d)
a) 2	b) 4 c)	6 d) N	Ione			
1289. Compression r		otive is		(d)
a) 12:1	b) 14:1	c) 12.5:1	d) 16:1			
1000 EDD	CHIDI		1 1 1	,		`
1290. EPD operation				(a)
a) 30 days & abob) 180 days & al		b) 90 days &				
0) 100 days & at	bove	d) Yearly &	above			
1291. Number of Lub	e oil pumps in H	HP loco			d)
a) 1	b) 2	c) 3	d) 4			,
,	-,	-, -				
1292. Full form of B	L key is				a)
a) Button Lever	key	b) Block Le	ever key			
c) Bench Lock k	tey	d) None of	the above			
1293. In WDG4 loco	Tractive Effort lin	mit value is		(c)
a) 200 KN	b) 250 KN	c) 294 KN	d) None			
1294. Blades of Dyna				(b)
a) Iron	b) Aluminium	c) Steel	d) None			
1205 Normal I D dua	maina namittad v	un to		(h	`
1295. Normal LR dro a) 0.75		-	Iona	(b)
a) 0.73	0) 0.83	0.95 d) N	TOTIE			
1296. In HHP loco in	itial torque value	of crab nut is	ft-lbs	(b)
	-	165 d) 20		•	Ü	,
,		., _				
1297. In HHP loco pi	ston thrust washe	r minimum perm	nissible thickness is	(b)
a) 4.67 mm	b) 4.44 mm	c) 1.73 mm	d) None			
1298. In HHP loco m	aximum percentag	ge of total no. of	radiator tubes make du	ımmy	is	
				(a)
a) 2	b) 4 c)	5 d) 1				
1200 T G					. ,	,
	•		mal range of sodium	(Na) 1	ıs (c)
a) $0-75$ ppm	b) 0 – 50 ppm	c) 0 – 30 pp	om d) 0 – 20 ppm			
1300. Model of comp	ressor in UUD loo	comotiva is		(a)
-	b) WLG	c) WBG	d) WBO	(а	,
u) 11 L/14	<i>o,</i> 11 LO	<i>c)</i> # D G	u) 11 DO			
1301. Model of diese	l engine fitted in I	HHP locomotive	is	(b)
	b) 710 G3B	c) 710 G3C		`		,

	In HHP loco l R1 & R2	Hand brake ap b) R4 & R5	plies to	c) L1	& L2	d0 L4 & L5	(b)
1303.	WLN model o	compressor ha	s				(a)
a)	3 cylinders	b) 4 c	cylinders	c) 6 c	ylinders	d) None			
1304.	TSC of HHP	locomotive is	cooled b	•			(c)
a)	Air	b) water		c) Lub	e oil	d) None			
1305.	Number of Bi	ake cylinders	in HHP	loco			(c)
a)	4	b)6	c) 8		d) 10				
1306.	Number of do	owels in fork ro	od and ba	asket as	ssembly			d)
a)	1	b) 2	c) 3		d) 4				
1307.	Fork rod pow	er assembly is	located	in whic	h side of e	ngine	(a)
	Left	b) Right		c) Bot		d) None	`		
1308.	Blade rod pov	ver assembly i	s located	l in whi	ch side of	engine	(b)
	Left	b) Right			h side	d) None	•		
1309	Pick up time l	between one ra	adiator fa	an to an	other		(b)
	10 sec	b) 20 sec		c0 30		d) 40 sec	`		,
1310	Which one is	not required fo	or injecto	or rack	setting		(a)
		ower assembl	-		_		(а	,
		ck to be locked							
	_	tool is require							
d)	Rotate injec	ctor rack adjus	ting lock	nut clo	ockwise dir	ection to loose it			
		pump fitted in	n HHP lo	ocomot	ive		(a)
	Centrifugal	• •			ciprocating	type			
c)	Positive disp	olacement type	e	d) No	ne				
1312.	Oil separator	in HHP loco is	s cleaned	l in	_ schedule		(b)
a)	30 days & a	bove		b) 90	days & abo	ove			
c)	180 days &	above		d) Yea	arly & abov	ve			
1313.	Number of oi	l control rings	in HHP	engine	piston		(b)
a)	1	b) 2	c) 3		d) 4				
1314.	Discharge cap	acity of FPM	in HHP	locomo	otive		(b)
a)	5 GPM	b) 7 GPM	c) 10 (GPM	d) 12 GP	M			

315. Minimum engine cranking speed for starting a) $45 - 50$ rpm b) $60 - 75$ rpmc) $75 - 90$ rpm d) $100 - 120$ rpm					
1316. Maximum speed of WDP4 locomotive is kmph (d)			
a) 100 b) 105 c) 120 c) 160		,			
1317. Value of backlash between water pump & Governor drive gear a) 0.007" - 0.025" b) 0.008" - 0.016" b) 0.010" - 0.025" d) 0.006" - 0.018"	b)			
1318. Minimum engine lube oil viscosity (KV) of HHP locomotive (a) 12.8 cst at 100°C (b) 13.0 cst at 100°C	b)			
b) 18.8 cst at 100°C d) None of the above					
1319. TRD is related to (a) Lube oil cooler b) Radiator c) Compressor d) Turbo super charger	d)			
a) Labe on cooler b) Radiator c) compressor a) Turbo super charger					
1320. Value of backlash between Aux. Gen. Drive gear & cam gear c) 0.007" - 0.025" b) 0.008" - 0.016" d) 0.010" - 0.025" d) 0.006" - 0.018"	c)			
1321. Top connecting rod bearing shell is changed after a) 2 years b) 3 years c) 6 years d) None	b)			
1322. No. of 14" expansion joints in HHP loco (b)			
a) 1 b) 3 c) 4 d) None		,			
1323. In HHP loco thrust collars fitted in a) No. 5 & 6 main bearing b) No. 1 & 9 main bearing c) No. 1 & 10 main bearing d) None of the above	a)			
1324. Turbine inlet scroll is (a)			
a)welded assembly made from "chrome- moly" plate					
b)Forged assembly made from "chrome-moly" plate					
c)Welded assembly made from CRCS d)None of the above					
1325. In HHP loco lube oil level to be checked at temperature a) 72°C b) 52°C c) 62°C d) None	a)			

1326. In HHP loco maximum fuel oil is injected at							
a) 9.6° before TDC	b) 0.8° after TDC						
c) 15.8° before TDC	d) 16.6° before TDC						
1327. How many EBT are fitted in HHP lo	ocomotive	(a)			
a) 1 b) 2 c) 3	d) 4	`					
1328. In HHP locomotive compressor over	haul on	(a)			
a) 360 days schedule	b) 2 yearly schedule						
c) 3 yearly schedule	d) 6 yearly schedule						
1329. Fireman emergency brake handle is		(a)			
a) Both control console/desk	b) behind LP seat						
c) Behind ALP seat	d) None of the above						
1330. Fuel tank of HHP locomotive is		(a)			
a) Detachable	b) Non-detachable	(а	,			
c) Both detachable & non-detachable	d) None						
e) Both detachable & non detachable	d) Hone						
1331. In HHP loco fuel injection ends at		(b)			
a) 47° before BDC	b) 0.8° after TDC						
c) 15.8° before TDC	d) 16.6° before TDC						
1332. Low Idle RPM of WDP4D locomoti	ve is	(a)			
a) 200 b) 269 c) 350	d) 400						
1333. Height of cattle guard in HHP locom	notive is	(c	`			
	c) 6 ½ " d) None	(C	,			
a) 172 0) 372	e) 0 /2						
1334. Number of after coolers fitted in HH	P locomotive	(b)			
a) 1 b) 2 c) 3	d) 4						
1335. Delivery rate of soak back pump in I	_	(b)			
a) 27 LPM b) 57 LPM c) 75 I	LPM d) None						
1226 Weight of WDC4D leasurative is		(a	`			
1336. Weight of WDG4D locomotive is		(a)			
a) 126 T b) 123 T c) 121	.2 1 d) 130.2 1						
1337 oil is filled in HHP loco compr	ressor	(b)			
a) RR 460 b) SP 100 c) RR		`					
, , , , , , , , , , , , , , , , , , , ,	,						
1338. No. of teeth in No.1 Idler gear is		(b)			
a) 58 b) 64 c) 69	d)79						

1339. In HHP loco compressor is cooled by (a)		
a)	Water	b) air	c) oil	d) None	e			
1340.	Pre lubricatio	n is related to				(d)
a)	Power assen	nbly		b) Fuel system				
c)	Turbo Super	rcharger		d) Lube oil sys	tem			
1341.	Crush height	is measured b	V			(c)
	Vernier Call			b) Outside mice	rometer			,
	Feeler gauge			d) Height gauge				
1342.	In HHP locon	notive specifie	ed limit o	f exhaust gas ter	nperature is	(a)
	315°C - 400	-		b) 435°C - 535	•			,
	490°C - 590			d) None of the				
1343. '	Torque value	of exhaust ma	nifold to	expansion joint	bolt is	(c)
	50 ft-lbs	b) 75 ft-lbs		c) 80 ft-lbs	d) 190 ft-lbs			
	In spectrograp	•	of engine	lube oil, high ra	nge of	(d)
a)	Internal wat	er leakage		b) inefficient ai				
b)	Cylinder lin	er water		d) bush & bear	ing wear			
1345.	Kinematic vis	scosity of lube	oil is ch	ecked at		(d)
a)	40° C temp	b) 100° C	temp	c) 40° F temp	b) both a & b			
1346.	Unit of kinem	natic viscosity	is			(a)
a)	CST	b) UST	c) MS	T	d) PPM			
1347.	In HHP loco	compressor is	}			(b)
a)	Belt driven	b) Go	ear driver	c) chain	driven d) all of the	abo	ove	
1348.	Idle rpm of W	/DP4D locom	otive is			(a)
a)	269	b) 904	c) 954		d) 1050			
1349.	No. of marks	in HHP loco	compress	or oil dipstick(m	nodified) gauge	(b)
a)	2	b) 3	c) 4		d) None of the above			
1350.	Control system	m used in HH	P locomo	otive is		(d)
a)	EMD	b) Medha	c) Sier	mens	d) all of the above			

1351. Shot peening	process is done	e in piston ring to imp	rove	(a)	
a) Fatigue stren	a) Fatigue strength b) Tensile strength						
c) Compressive	e strength	d) None of the	ne above				
1352. In Medha con	trol system dur	ing pre-lubrication Tl	LPM run for	(b)	
a) 120 sec	b) 900 sec	c) 2100 sec	d) 1000 sec				
1353. Gear case oil	capacity of WI	OP4D locomotive is		(b)	
a) 7.5 litres	b) 8.5 litres	c) 9.5 litres	d) 9.8 litres				
1354. Gear case oil	capacity of WI	OG4D locomotive is		(a)	
a) 7.5 litres	b) 8.5 litres	c) 9.5 litres	d) 9.8 litres				
1355. In HHP loco v	value of cylinde	er head valve seat ang	le is	(a)	
a) 30°00' - 30°	15'	b) 45°00' - 4	.5°15'				
b) 60°00' - 60°	15'	d) None of the	ne above				
1356. POP test is co	onducted to che	ck the performance of		(a)	
a) Injector	b) TSC	c) Lash adjuster	d) Air dryer				
1357. Water leakage	e from air box o	drain pipe indicates	21	(d)	
a) Water inlet t	tube may be cra	nck					
b) Cylinder He	ad/liner may be	e crack					
c) After cooler	tube may be p	unctured					
d) All of the ab	oove						
1358. VCD cycle co	onciete of			(d)	
a) T0 – Vigilan				(u	,	
b) T1 & T2 – V							
		le & Penalty brake res	eat				
d) Al of the abo		ic & I charty brake ic.	SCI				
d) Aloi the aoc	JVC						
1359. Minimum lub	e oil level of H	HP loco compressor i	S	(b)	
a) 5 litres	b) 6 litres	c) 8 litres	d) 9.8 litres	`		,	
1360. While VCD C	Operation T0 –	cycle is called				(a)
a) Vigilance cy	vcle	b) Warning o	cycle				
b) Penalty brak	te cycle	d) all of the a	above				
1361. T1 – Vigilanc	e cycle is calle	d		(b)	
a) Vigilance cy	vcle	b) Warning o	cycle				
c) Penalty brak	te cycle	d) all of the a	above				

1362.	1362. T2 – Vigilance cycle is called ()
b)	Vigilance cy	vcle	b) Warning cycle	:			
c)	Penalty brak	te cycle	d) all of the abov	e			
1262 '	T4 Vicilana	a avalada aallad			(_	`
	•	e cycle is called	h) Warning avale		(c)
	Vigilance cy		b) Warning cycled) all of the abov				
u)	Penalty brak	te reset cycle	d) all of the abov	е			
1364.	Duration of T	0 cycle is			(a)
a)	60 sec	b) 8±2 sec	c) 34±2 sec	d) None			
	Duration of T	<u>*</u>			(b)
a)	60 sec	b) 8±2 sec	c) 34±2 sec	d) None			
1266	Dunstion of T	2 avala ia					`
	Duration of T 60 sec	b) 8±2 sec	c) 34±2 sec	d) None		c)
a)	oo sec	0) 8±2 sec	c) 34±2 sec	d) Nolle			
1367.	In HHP loco (duration of suction	period is		(a)
	87°	-	•	138°	(,
/		-, -					
1368.	FPM of HHP	locomotive is			(c)
a)	AC motor	b) DC series moto	or c) 3Ø AC motor	d) None			
	Air dryer is fi				(b)
· · · · · · · · · · · · · · · · · · ·	Before MR1			& MR2 reservoir			
c)	Between MI	R2 & CCB system	d) after MR2 rese	ervoir			
1270	Shot peening	is related to			(h	`
	Lube oil coo		b) Piston	rina	(b)
	Turbo super		· · · · · · · · · · · · · · · · · · ·	gear assembly			
0)	raroo saper	charger	d) clutch	gear assembly			
1371.	Final torque	value of Crab nut is	S		(d)
	250 ft-lbs	b) 400 ft-lbs	c) 150 ft-lbs d)	2400 ft-lbs	`		
1372.	In spectrograp	ohic analysis of eng	ine lube oil normal ra	nge of Copper (Cu)			
a)	0-77 ppm	b) $0 - 50 \text{ ppm}$	c) $0 - 20 \text{ ppm}$ d	0 - 15 ppm			
	-	ube oil dipstick is lo			(a)
,			· •				
c)	Both side of	the locomotive	d) None of the fo	llowing			
1374	Length of W/I	OPAD locomotive is	meters		(a	`
	_			None of the above	(а	,
a) 1373. (a) c) 1374. 1	0 – 77 ppm Compressor le Left side of Both side of Length of WI	b) $0-50$ ppm ube oil dipstick is lot the locomotive the locomotive	c) 0 – 20 ppm d ocated on the b) Right side of the d) None of the form	0 – 15 ppm he locomotive llowing	(a	

1375. In HHP locomotive compressor air intake filter is changed du	ring	((1)	
a) 30 days & above schedule b) 60 days & above schedule					
c) 90 days & above schedule d) 180 days & above schedule					
1376. Free air delivery of GD air compressor is LPM	(c	,)	
a) 4000 b) 5000 c) 6000 d) 9000					
1377. OSTA of HHP (4500 HP) locomotive is set at	(c	,)	
a) 1035 – 1050 rpm b) 1035 – 1075 rpm					
c) 1085 – 1100 rpm d) 1185 – 1220 rpm					
1378. OSTA of HHP (4000 HP) locomotive is set at		a)	
a) 1035 – 1050 rpm b) 1035 – 1075 rpm					
c) 1085 – 1100 rpm d) 1185 – 1220 rpm					
1379. HHP locomotive brake block is made of		c	,)	
a) Cast iron b) Fibre c) Composite material d)) None of the a	abov	e		
1380. In HHP locomotive pilot stud of liner is located at a) 5 o' clock position b) 6 o' clock position b) 12 o' clock position d) 13 o' clock position	(a	,)	
1381. Maximum speed of WDG4D locomotive (in kmph) a) 100 b) 105 c) 135 d) 160	(b)	
 1382. In HHP loco when OSTA is set, reset handle rest at a) 11 o' clock position b) 13 o' clock position c) 12 o' clock position d) None of the above 	(a)	
 1383. In HHP locomotive lube oil strainer is fitted on a) Right side, front end of the engine b) Right side, rear end of the engine c) Left side, front end of the engine d) Left side, rear end of the engine 	(a	,)	
1384. In HHP loco bearing to crank pin maximum clearance is a) 0.010" b) 0.015" c) 0.020" d) 0.0205	`	a	,)	
1385. In HHP loco Brake cylinder pressure is adjusted at a) 1.8 kg/cm² b) 3.5 kg/cm² c) 5.2 kg/cm² d) None	(c	,)	
1386. In HHP locomotive compression stroke end at a) BDC b) 43.5° after BDC c) TDC d) 67°	after TDC	c	,)	

1387. Torque the rocker arm adjusting screw lock nut approximately a) 70-75 ft-lbs b) 75-80 ft-lbs c) 80-85 ft-lbs d) 85-90 ft-lbs	(c)
1388. POH of HHP locomotive is done after a) 8 years b) 12 years c) 15 years d) 18 years	(d)
1389. From initial final torque value, crab nut rotates approximately a) $120^{\circ} \pm 35^{\circ}$ b) $200^{\circ} \pm 35^{\circ}$ c) $250^{\circ} \pm 35^{\circ}$ d) $360^{\circ} \pm 35^{\circ}$	(b)
1390. Fuel tank capacity of WDP4D locomotive is litres a) 5000 b) 6000 c) 6500 d) 5500		a)
 a) Pull the piston down when cylinder is not firing b) Prevent the compressed air& gases from entering in to the crankcase c) Prevent lube oil entering into air box & combustion chamber d) All of the above 		b)
1392. Maximum permissible limit of fuel oil dilution in HHP lube oil is a) 2 % b) 3 % c) 5 % d) 10%	(c)
1393. In HHP loco following model Woodward governor is fitted a) PGR b) PGEV c) PGR & PGEV d) None of the	(ne ab	b ove	
1394. Which of the following valve is not fitted in HHP locomotive compressed air system a) Duplex check valve b) FT1 feed valve c) NRV d) None of the above	(a)
1395. Fuel oil primary filter condition gauge needle in Green zone indicates fuel oil differential pressure is a) 20 ± 2 b) 25 ± 2 c) 30 ± 2 d) None of the above	(a)
 1396. Thrust washer is made of a) Cast iron brazed on outer sleeves b) Cast iron alloy with tin plating c) Stainless steel with chrome plating d) Copper 	(d)
1397. In HHP locomotive type of torsional damper is a) Spring pack type b) Gear type c) Viscous type d) Pendulum type	(b)

1398. In H	HP locomo	otive inlet port open	at		(a)
a) 43.	5° before E	BDC	b) 107.5° afte	er TDC			
b) 180	0° after TD	C	d) 67° after B	DC			
1399. To c	harge feed	pipe, air supply is re	eceived from		(a)
a) MI	R1 1	b) MR2	c) BP	d) BC			
1400. No.	of teeth in 1	HHP locomotive cra	ınk shaft gear is		(c)
a) 58		o) 64	c) 79	d) 113	`		,
u) 50	•	5) 61	<i>C)</i> 13	d) 113			
1401. No.	of exhaust	valves in a power as	sembly		(d)
a) 1	1	b) 2	c) 3	d) 4			
1402. In H	HP locomo	otive codal life of T	urbo Super Chai	rger is	(c)
a) 6 y	ears 1	b) 10 years	c) 12 years	d) 18 years			
		otive for quick charg	•	_ is provided	(d)
a) BP		b) SP					
b) Ba	il off ring	d) Release p	osition of Auto	brake handle			
1404.35							
		d for clearing the bl	ock section with	1	,		
		cked axle is			(d)
a) 10	kmph	b) 15 kmph c) 20	kmph d) 25	kmph			
1405 5	C 1	, 1:cc : TGC			,		,
		naust diffuser in TSC			(a)
		turbulence of exhau	_				
ŕ		turbulence of compr				~	
			chaust section in	om the compressor bea	rınş	g	
a) No	ne of the al	bove					
1406 Max	imum tract	ive effort of WDP4	D locomotive is		(b)
a) 24			c) 53 tons		(U	,
a) 24	tons	0) 41 tolls	c) 33 tons	d) None of the above			
1407 Wat	er temnerat	ure maintained in co	ooling water sys	tem of			
	ocomotive:		Johns water sys	tem or	(c)
		b) 65° - 91° C	c) 79° - 85°	° C d) None	(C	,
<i>u)</i> 0 1	<i>7</i> 0 C	0,05 71 0	0,17 03	C G/ Hone			
1408. Capa	acity of gov	vernor oil of HHP lo	comotive		(a)
-	5 litres			d) None	`		

1409.	Full form of E	EBT is					(a)
a)) Electronic Blow Down Timer								
b)	Engine Batte	ery Temperatui	re						
c)	Electric Blo	wing transduce	er						
d)	None of the	above							
1410.	Capacity of w	ater tank of HI	HP locor	notive	is	litres	(c)
	275	b) 255	c) 625		d) 104				
		-,	-,		,				
1411.	Number of po	ositions in L/T	switch				(c)
	2	b) 3		c)4		d) 5			,
1412.	Brake cylinde	er Piston stroke	length o	of HHP	locomo	otive is	(c	
a)	2"-2.5"	b) 2" – 4.5"		c) 2"-	- 6.5"	d) None			
1413.	In HHP loco	duration of con	npression	n perio	d is		(b)
a)	84°	b) 113°	c) 16.6	5°	d)138	0			
1414.	Full form of "	EFCO" is					(c)
a)	Engine Fuel	cut Out switch	ı						
b)	Engine Fuel	Conditioning	Object						
c)	Emergency 1	Fuel Cut Off sy	witch						
d)	None of the	above							
1415.	Control stand	of HHP locom	notive is	called			(c)
a)	Control cabi	in b) Co	ntrol des	sk c) C	Control	console d) None			
1416.	8 th notch RPM	4 of WDP4D lo	ocomotiv	ve is			(c)
a)	269	b) 904	c) 954		d) 105	50			
1417.	Normal fear c	ase oil consum	ption of	HHP 1	ocomot	ive	(a)
sh	ould not be m	nore than							
a)	1.0 litre/mor	nth /gear case	b) 2.0	litre/mo	onth /ge	ar case			
c)	3.0 litre/mor	nth /gear case	d) 3.5	litre/mo	onth /ge	ar case			
1418.	LR dropping	at higher notch	, probab	le reaso	on of it	is	(d)
a)	Baggie filter	may be chock	ed						
b)	Booster air p	pipe connection	n to gove	ernor m	ay be b	roken/disconnected			
c)	Defective fu	el injector							
d)	All of the ab	oove							
	_	installation of	APU sys	stem is			(d)
	Saving fuel				,	uce emission			
c)	reduce noise	e pollution			d) all	of the above			

1420. Number of cells in a battery of WDP4D locomotive					(b)	
a)	4	b) 5	c) 8	d) 10				
1421. N	Number of ce	lls in a battery	of WDG4D loc	omotive		(a)
a)	4	b) 5	c) 8	d) 10				
	Before re-crai	nking engine, w motors	ait for minimu	m minutes	3	(c)
a)	1	b) 2	c) 3	d)4				
1423. N	Number of sa	nd boxes in HH	IP locomotive			(b)
a)	4	b) 8	c) 12	d) 16				
	Ainimum flas 35°	sh point of RR- b) 194°	520 is c) 240 °	d) 300°		(b)
a)	33	0) 1)4	C) 240	u) 300				
 1425. To increase OSTA tripping rpm a) OSTA adjusting spring tension to be increased b) OSTA adjusting spring tension to be decreased c) Both 'a' and 'b' d) None of the above 					(a)	
d)	None of the	above						
a)	Weak batter	may be experie y ession pressure	b) Def	ective Starter of the above	motor	(d)
is c	ontrolled by	eed of traction 1			tive	(a)
a)	OSTA	b) EPD	c) LCC	d) HOD				
Uni	loading at 20	-	-			(a)
a)	2.2 HP	b) 22 HP	c) 23 I	HP d) 70	HP			
		loco compresso	or should not be	e less than		(d)
	567 LPM at 700 LPM at	=	b) 600 LPM a d) 990 LPM a	•				
a)b)c)	Between tur	ind the impelle bine blades and bine blades and	l compressor be	_		(c)

1431. Compressor seal is located					b)
a) Directly behind the impeller						
b) I	Between turbine b	lades and compres	ssor bearing			
		lades and turbine	•			
	None of the above					
۵, ۱	, , , , , , , , , , , , , , , , , , , ,					
			namic braking, engine	(b)
	se to notch	-				
a) 2	b) 4 th	c) 6 th	d) None of the above			
1433. No	o. of planet gears	in HHP TSC			c)
a) 1		c) 3	d) 4			
1434. Du	aring torqueing of	crab nut			a)
	• •	uts first then inbo	eard nuts			•
	-	ts first then outbo				
	-		assembly crosswise only			
	All of the above					
۵, ۱	01 010 0 00 0 0					
1435. "C	Crush Height Ched	ck" is done to avoi	id the failure of	(a)
	Connecting rod be		id the fathere of	(u	,
	Main bearing seiz	_				
	Thrust collar seizu					
· · · · · ·	All of the above					
u) F	An of the above					
1436 In	HHP loco engine	cylinders are coo	led by	(c)
	Water b) A		ged air & water d) Lube oil	(C	,
a) \	valei b) A	ii C) Superciiai	ged all & water d) Lube on			
1/27 M	ovimum tractive	offort of WDG4 lo	ocomotive is tons	(C)
a) 4			d) 39	(c)
a) 4	0) 23	6 () 33	u) 39			
1438 Ca	om of UUD lose is	s checked in s	chadula	(0	`
				(a)
	30 days & above		b) 60 days & above			
c) 9	00 days & above		d) 180 days & above			
1439 No	of Traction Inv	erters in Medha m	ake traction system	(c)
	HHP loco	orters in Media in	ake traction system	(C	,
a) 2		c) 6	d) 8			
u) 2	. <i>0)</i> 1	2,0	u , 0			
1440 Tx	ne of Main Gene	rator fitted in HHl	P locomotive	(c)
•	OC Generator		b) single phase AC alternator	,	-	,
	Three phase AC a		d) None of the above			
c_{j-1}	mee phase π e a	icinatoi	a) I tolle of the above			

1441. Type of Traction Motors fitted in HHI	locomotive	(c)
a) DC series motor	o) Single phase AC motor			
c) Three phase AC motor	l) None of the above			
1442. Full form of EPD is		(c)
a) Engine Position Device	o) Engine Parting Device			
c) Engine Protection Device	l) Engine Patrolling Device			
1443. In HHP loco Medha control system du	ring dynamic braking,	(a)
engine raise to notch rpm.				
a) 2 nd b) 4 th c) 6 th	d) None of the above			
1444. Air box drain pipe is located at		(a)
a) Under truck near fuel tank	o) Alternator room			
c) Compressor room	d) Clean air compartment			
1445. Series of WDP4D is		(c)
a) 12 b) 20 c) 40	d) 70			
1446. WDP4D is a		(b)
a) Single cab loco	o) Dual cab loco			
c) Dual cab loco with disc brake	d) Dual cab loco with Hotel load			
1447. Function of oil control ring is to		(c)
a) Pull the piston down when cylinder i	s not firing			
b) Prevent the compressed air & gases of	enter in to the crank case			
c) Prevent the lube oil entering into the	air box & combustion chamber			
d) All of the above				
1448. Only pour in the HHP loco		(a)
a) DM water b) Raw water c) tap water	ater d) all of the above			
1449. Full form of DM water is		(b)
a) Distilled & Mineralised water				
b) Demineralised water				
c) Deionised Manufactured water				
d) None of the above				
1450. Do not switch off circuit breake	er immediately after	(a)
Engine shut down				
a) Computer & TLPM b) MAB	e) Local control d) None			

1451. Do not crank the engine without external pre-lubrication if	(c)
engine has not been cranked for more than hours. a) 24 b) 36 c) 48 d) 72			
a) 24 b) 30 c) 48 d) 72			
1452. Don't try to raise the engine before engine coolant	(b)
temperature has been reached upto temperature			
a) 42° b) 52 c) 62° d) 72°			
1453. Purging cycle of air dryer is	(c)
a) $15 \div 1$ sec b) $30 \div 1$ sec c) $60 \div 1$ sec d) None	,	C	,
1454. In HHP loco MR safety valve is fitted at outlet of		a)
a) MR1 b) MR2 c) FP d) MREQ			
1455. MR safety valve setting is kg/cm ²	(c)
a) 8.2 b) 9.6 c) 10.6 d) 10.0			
1456. Capacity of Main Reservoir is liters	(b)
a) 452 b) 492 c) 575 d) 600		Ü	,
1457. Discharge capacity of Scavenging lube oil pump is GPM	(c	`
a) 230 b) 109 c) 405 d) 500	(C	,
1450 5: 4	,		,
1458. Discharge capacity of Piston cooling oil pump is GPM a) 109	(c)
1459. Discharge capacity of main lube oil pump is GPM	(c)
a) 109 b) 200 c) 229 d) 500			
1460. ECC4 located in	(b)
a) Cab 1 b) Cab 2 c) Under truck d) None			
1461. Gear ratio in WDG4D locomotive is	(b)
a) 17:77 b) 17:90 c) 18:65 d) 18:74			
1462 is provided in HHP loco in place of CCEM	(d)
a) TLPM b) Scavenging pump c) Exhauster d) Ejector assen	ıbly		,
1463. In HHP loco cooling coil located	(c)
a) left side of the loco b) right side of loco c) radiator room d) com	pressor		om
1464 Maximum and of WDD4d loss is lymph	(\
1464. Maximum speed of WDP4d loco iskmph a) 100 b 120 c) 135 d) 160	(c)
a) 2 times of the engine speed b) 3 times of the engine speed	(b)
c) 5 times of the engine speed d) None of the above			

1466. Engine shutdown with white smoke in a) clutch assembly b) TSC	dicating defect c) bearing	may be in d) All of the above	(d)
1467. Length of WDG4 locomotive is a) 22.98 meters b) 21.24 meters c) 2	21.7 meters	d) None of the above	(b)
1468. No. of teeth in TSC drive gear is a) 47 b) 64	c) 37	d) 81	(d)
1469.Maximum starting tractive effort of WI a) 400 KN b) 540 KN	OG4D locomot c) 900 KN	ive is d) None of the above	(b)
1470. 4 th notch engine rpm WDP4D locomot a) 269 b) 486	tive is c) 572	d) 675	(c)
1471. No. of EFCO switches fitted in WDP4 a) 2 b) 3	D loco c) 4	d) None of the above	(c)
1472. Lube oil filter element is aa) Paper type two stage filter elementb) Paper type filter in tin containerc) Screen type metallic elementd) None of the above			(a)
1473 In HHP loco long life lube oil filter is a) 60 days b) 90 days	changed at c) 180 days	d) None of the above	(c)
, , , , , ,	HP locomotive procating type e of the above		(c)
• •	b) after soak b d) None of the	• •	(b)
1476. Engine piston stroke in WDP4D locom a) 10" b) 10.5"	notive is c) 11"	d) None of the above	((c)	
	brake applicati b) 8 - 12 secon d) 15 - 20 secon	nds	(a))
 1478. "TRI-NETRA" is a project related to a) Introduction of CCTV camera in Raily passenger activity b) Introduction of CCTV camera in Diese workmen activity c) Terrain imaging for locomotive driver d) All of the above 	el Loco shed to		(c))

1479	O. No. of poles in	HHP locomotiv	ve Traction Mo	otor	(a)
	a) 4	b) 6	c) 10	d) None of the above			
1480. Which of the following sensora) Temperature sensorc) Air Pressure sensor			b) Voltage ser	are fitted in the traction motor? b) Voltage sensor d) All of the above)
	1. Black smoke fra a) Incomplete con b) Lube oil burni c) Water ingress d) None of the ab	mbustion of fue ng in combustion in combustion o	ol oil on chamber		(a)
	2. Codal life of cr a) 6 years		c) 12 years	d) 18 years	(d)
	Bevel gear is forGovernor driveScavenging put	e	omponent of F b) Sun & plar d) None of the	net gear	(a)
	 Which reason i Failure of soak Blockage in th Interruption in All of the abov 	t back pump le lubricating pa completion of	nssage	np cycle	(d)
	5. type of transmi a) DC – DC		D c) AC	- AC d) None of the al	bove (c)
a l	4000 HP to 4500 a) 54" Radiator for 8 th notch engin) HP fan is introduced ne rpm is increa g rpm is increas	d instead of 52 ased from 904	rpm to 954 rpm	(d)
a b c	7. Bubbles in fuel) air draw in suct) the leaky fuel ir) insufficient fuel) none of the abo	tion suction side njector supply			(a)
1488	a) air draw in sub) the leaky fuelc) insufficient fu	ection suction si injector el supply	_	anking the engine indicates booster pump	(b)
1489	d) none of the above 1489. Bubbles in the fuel return sight glass in higher notch with full load indicates (a) air draw in suction suction side of the fuel booster pump b) the leaky fuel injector)

	cient fuel sup f the above	ply								
1490. To charg a) F2 feed	ge feed pipe a d valve b) FI	-					(d)		
1491. Auto bra a) 2	ake valve han	dle has b) 3	c) 4		d) 5	((d)		
1492. In HHP a) 10 mm c) Indepe			b) depo	end upo	n the locatio	n of wheel	(b)		
	locomotive F 0.1 kg/cm ² 0.1 kg/cm ²	P pressure	b) 6.1	± 0.1 kg ne of the			a))	
b) right si c) left sid	locomotive for de, front end of e, front end of the above	of the engin	ne e	tted on			(a)		
,	DBI testing or working pres s working pre	sure	b) 1.5		orking press	-	e at (b)	
,	locomotive e before BDC after TDC	xhaust valv	b) 43.5	5° after l after BI				(d)
1497. To opera a) MR-1	ate ABD, air b) M		ceived from MR-3	d) Non	e of the abo	ve		(a)
	wer air duct (l ys schedule y schedule	pellow) is c	b) 720	days sc early sch				(d	
1499. VCD ala a) T0 cyc		ring cycle	c) T2 o	cycle	d) T3 cycle			(c)
1500. In which a) T1 cyc	•	yellow flas	hing light wi	_	d) All of the	e above		(d)



1501. Which of the following feed valve is not available in HHP locomotive a) FT-1 Feed valve b) F-2 Feed valve c) D24B Feed valve d) All of the above	(c)
1502. No. of teeth in planet gear is a) 47 b) 30 c) 26 d) 37	(a)
1503. cooling time is related to a) Lube oil cooler b) Radiator c) Turbo super charger d) Compressor	(b	`
1504. Minimum thickness of air box hand hole collar a) 3.0 mm b) 3.9 mm c) 4.5 mm d) 5.1 mm	(b)
1505. In HHP locomotive speed of radiator fan should be in the range of a) 260 – 1905 b) 1085 – 1100 c) 1035 – 1050 d) None	(b)
1506. Aspirator hole is provided for a) Draining purpose of clean air compartment b) Draining purpose of TCC compartment c) Draining purpose of compressor compartment d) All of the above	(a)
1507. What is the permissible limit of root wear a) 3.5 mm b) 6 mm c) 5 mm d) None of the above	(oove	b)
1508. The flat tyre limit for WDP4D locomotive is a) 50 mm b) 60 mm c) 75 mm d) None of the above	(oove	a)
1509. More than 50 mm flat tyre, Loco should be moved to nearest shed at a Spe a) 20 kmph b) 25 kmph c) 30 kmph d) 40 kmph	ed o	f a)
1510. New wheel diameter of WDG4D locomotive is a) 1092 b) 1095 mm c) 1097 d) None of the above	(c)
1511. Wooden wedge is a a) safety item b) safety device c) safety fitting d) None	(a)
1512. In HHP locomotive duration of fuel injection period is a) 87° b) 113° c) 16.6° d) 138°	(c)

1513. Specific gravity of electrolyte of battery is measured by a) Hydrometer b) Barometer c) Hygrometer d) Voltmeter	(a)
1514. During Blended Braking a) Train brake is applied b) Loco brake is applied c) Dynamic brake is applied d) All the above brakes are applied	(d)
1515. Gear case joint curing time is a) 24 hours b) 36 hours c) 48 hours d) None of the above	(a)
1516. Reason for OSTA tripping at lower rpm isa) Injector rack may be jamb) Over speed mechanism may be failedc) Engine load may be dropped due to electrical malfunctiond) All of the above		d)
1517. Reason for oil throwing from TSC chimney may be a) Damaged power assembly c) Oil separator screen missing d) All of the above	(d)
1518. In HHP locomotive yaw damper is also known as a) Vertical hydraulic shock absorber b) Horizontal hydraulic shock absorber c) Secondary rubber pad d) None of the above 	(er	b)
1519. During cranking of engine in cold condition, engine rpm not hold due to a) Improper adjustment of governor compensation needle valveb) Worn out Teflon seal of power pistonc) Both a & bd) None of the above	(c)
1520. SFC of locomotive depends upon a) engine performance b) controlling of loco pilot c) condition of carriage & wagon d) all of the above	(c)
1521. 1st notch TE of WDP4D locomotive is a) 35 KN b) 50 KN c) 15 KN d) 25 KN	(a)
1522. Weight of WDP4D locomotive is a) 126 T b) 123 T c) 121.2 T d) 117 T	(b)
1523. No. of batteries in WDP4D locomotive a) 2 b) 8 c) 10 d) None of the above	(c)

1524. The sight glass located nearer to the engine block is called	(a)
a) Return sight glass b) By-pass sight glass			
c) Empty sight glass d) None of the above			
1525 type of hottomy used in WDD4/WDD4D lecometive is	(h	`
1525. type of battery used in WDP4/WDP4D locomotive is	(b)
a) Lead acid battery b) Nickel cadmium (NiCd) battery			
c) Nickel Metal hydride (NiMH) battery d) Lithium Ion (Li-ion)battery			
1526. In HHP locomotive for quick firing of engine	(c)
a) High horse power FPM is fitted b) TLPM is fitted	`		
c) GBPM is fitted d) None of the above			
e, and the end of the death			
1527. What is the condemning limit of composite brake block is	(a)
a) at 10 mm thickness b) at 25 mm thickness			
c) at 50 mm thickness d) at 75 mm thickness			
1528. Firing order of HHP locomotive is	(a)
a) 1-8-9-16-3-6-11-14-4-5-12-13-2-7-10-15			
b) 1-8-16-9-8-6-14-11-4-5-13-12-2-7-15-10			
c) 1-8-9-16-3-6-11-14-2-7-10-15-4-5-12-13			
d) None of the above			
1520. Auto drain valva amarata automatically.	(`
1529. Auto drain valve operate automatically	(c)
a) when compressor is unloading b) when EBT valve is energized			
c) both a & b d) None of the above			
1530. Peak firing pressure of locomotive is	(c)
a) 350 psi b) 1150 psi c) 1750 psi d0 3500 psi	`		,
a) 200 psi			
1531. BSFC of HHP locomotive is	(a)
a) 158.8 gm/bhp/hr b) 156.0 gm/bhp/hr	`		
c) 152.2 gm/bhp hr d) 154.2 gm/bhp/hr			
1532. No. 1 radiator fan is called that fan which is	(a)
a) nearest to compressor b) farthest from compressor			
c) no. specific concept for numbering d) None of the above			
1533. Coil resistance of Woodward governor solenoid should be	(c)
a) $500 \Omega \pm 10\%$ at 20° C b) $600 \Omega \pm 10\%$ at 20° C			
b) $700 \Omega \pm 10\%$ at 20° C d) None of the above			
1534. Minimum torque value of cylinder liner stud (in liner) is ft-lbs	1	0	`
a) 50 b) 90 c) 190 d) 240	(a)
41.77 01.77 VII.77 UI.4TV			

1535. Expected water temperature drop through radiator is a) 5.5°C b) 7.5°C c) 9.5°C d) None of the above	(c)
1536. Tube of lube oil cooler core is made of a) Brass b) Copper c) Aluminium d) None of the above	(a)
1537. Inter cooler of compressor is used to improve a) Volumetric efficiency of compressor b) Cooling efficiency of compressor c) both 'a' & 'b' d) None of the above	(a)
1538. In HHP locomotive compressor breather is replaced in a) Every 2 years b) Every 3 years c) Every 6 years d) None	(b)
1539. In spectrographic analysis of engine lube oil normal range of Silicon (Si) is a) $0-50$ ppm b) $0-20$ ppm c) $0-15$ ppm d) $0-10$ pp		c)
1540. The surface on most TSC bearing is a) Silver plated b) Gold plated c) Zinc plated d) No	`	a)
 1541. During Dead engine movement a) L & T switch to be kept in "Trail" position b) In CCB 1.5, dead engine cock to be kept in vertical position from horizontal In CCB 2.0, Dead engine cock (DER) to be kept in "IN" position from "OU c) Open MREQ & BCEQ cut out cocks at ant one end of the dead engine d) All of the above 	1/	d)
1542. Bottom connecting rod bearing shell is changed after a) 2 years b) 3 years c) 6 years d) None of the above	(c)
1543. HHP locomotive is fitted with a) DURACAM b) FE Cam c) Stiffer Unit Cam d) All of the above	(a)
 1544. In HHP locomotive, oil level capacity of gear case is a) Same in WDP4 & WDG4 locomotives b) More in WDP4 loco as compared to WDG4 loco c) More in WDG4 loco as compared to WDP4 loco d) None of the above 	()	b)
1545. RPM of governor drive gear is same as a) Crank shaft rpm b) Main lube oil pump rpm c) Water pump rpm d) None of the above	(a)

1546. To check fuel oil pressure, gau	ige to be connected on		(b)
a) Primary filter housing	b) Secondary filter housing				
c) Fuel pump motor	d) None of the above				
1547. If due to any reason, the value Then loco will be shutdown throa) HOD	ough b) Crankcase EPD button		(c)
b) Low water EPD button	d) None of the above				
1548. In HHP locomotive left side ca a) No. 2 Idler gear c) Right side cam gear	am gear is driven by b) Crank shaft gear d) None of the above		(a)
e) rugin side euin gedi	a) I tolle of the doore				
1549. No. of bull gears fitted in WDO a) 2 b) 4 c) 6	G4D locomotive d) 8		(c)
1550. No. of fuel oil spin on filters fi	itted in HHP locomotive d) 4		(b)
1551. Where the serial number of cra a) On the web of both the first a	and last throws		(a)
b) Right side of the main bearinc) Right side of each end "A" frd) All of the above					
1552 No of stude in a Down assembly	hly lines		(`
1552. No. of studs in a Power assemble a) 8 b) 12 c) 16	•		(a)
1553. Exhaust screen of HHP locome a) 30 Days & above schedule c) 180 days & above schedule	b) 90 days & above schedule d) Yearly & above schedule		(b)
a) to limit the longitudinal move b) to limit the vertical movement c) to limit the vertical movement d) none of the above	ement of the crankshaft nt of the crankshaft		(a)
1555. Discharge capacity of water pu a) 867 LPM (229 GPM) at 900 b) 413 LPM (109 GPM) at 900 c) 1534 LPM (405 GPM) at 900 d) 3411 LPM (900 GPM) at 900	rpm rpm) rpm	(d)		

1556. No. of teeth	water pump	gear is in				(a)
	b) 26	c) 30	d) 69					
a) Harmonic oc c) Main Altern	lamper		b) Camshaf mpanion Alt			(a)
1558. No. of spring a) 10	gs in Accesso b) 12	ory drive gea c) 8	r is d) 16			(c)
1559. No. of rollers a) 10	s in Accesso b) 12	ory drive coup c) 8	oling is d) 16			(a)
1560. To measure to a) Axle generation	-			s used d) None of	the above	(c)
1561. In HHP loco a) Oil separato c) Exhauster i	or &Eductor		b) C	CM is fitted ll of the abov	ve	(a)
1562. No. of ETPs a) 1	fitted inn H	HP locomotiv	ve d) 4			(b)
1563. The internal a) Fuel oil	_	ctor is cooled c) Cooling v		•	ove	(a)
1564. In HHP loco a) Inlet valve				-	ove	(b)
1565. In HHP loco a) 60 days	motive fuel b) 90 days			nged at one of the abo	ove	(b)
1566. In HHP loco a) 600 μ	motive fuel b) 13	- •	lter is filtere c) 2 µ	•	one	(b)
1567. In HHP loco a) 600 μ	motive fuel b) 13		rainer is filte c) 2 µ	-	one	(a)
1568. In HHP loco a) 600 μ	motive fuel b) 13	•	filter is filte c) 2 µ	-	one	(c)
1569. Minimum lul a) 8 – 12 psi	-		co at Idle is c) 20 – 25 p	osi d) 12	5 psi	(a)

1570. In HHP locomotive hand cranking ar	_	(a)
a) Left rear side of the enginec) Both side, rear end of the engine	b) right rear side of the engined) N one of the above			
1571. In HHP locomotive Low lube oil shut a) HOD (Hot Oil Detector) b) EPD low cooling water portion c) EPD crankcase pressure portion d) All of the above		(d)
1572. In 710 G3B engine maximum permis between lube oil and water is a) 10°C b) 11.1°C	sible temperature difference c) 16°C d) None of the above		b)
1573. No. 1 Idler gear to stub shaft minimum a) 0.005" b) 0.008"	m clearance is c) 0.017" d) None of the above	(a)
1574. Lube oil pressure sensing pipe line ara) Left bank top deck coverb) Ric) Inside the crankcase	e provided in the ght bank top deck cover d) Inside the oil pan	(b)
1575. In hHP locomotive lube oil strainer beat a) 30 seconds b) 45 seconds	ox is filled with lube oil within c) 60 seconds d) 75 secon	(ds	b)
1576. In spectrographic analysis of engine 1 a) 0 – 20 ppm b) 0 – 15 ppm c) 0		l) is)
1577. Normal TSC rpm of 4500 hp HHP lo a) 15000 – 20000 rpm c) 18500 – 25000 rpm	comotive is b) 18500 – 21500 rpm d) 18500 – 20000 rpm	(b)
1578. Minimum TSC rpm of 4500 hp HHP a) 15000 rpm b) 15932 rpm c)		(b)
1579. In CCB II fitted HHP locomotive Dea a) EBV b) ERCP c) BPCP	ad engine cock is located on (b is d) None of the above)		
,	HP locomotive at full speed & full load $5 - 1.95 \text{ kg/cm}^2$ $4 - 1.5 \text{ kg/cm}^2$	is (a	a)

a) 70 – 90° C b) 70		c) $80 - 90^{\circ}$ C	d) 80 – 99° C	(a)
1582. Air box pressure i the speed range		c) 2 psi less d) 5 p	_	(a)
a)2 psi gicalci	b) 5 psi greater	c) 2 psi less d) 3 p	51 1055			
1583. Normal height of a) 1 " b) 1.5			e guide is	(b)
a) protect the scaver b) protect the piston c) limit the maximu d) All of the above	nging oil pump from cooling oil pump f	n over loading	ne lube oil system	(a)
1585. When installing luis positioned in the a) Downward direct c) Left side direct	ection	n engine, make sure b) upward di d) right side	rection	rt (a	
1586. To overcome TSC a) 5 minutes b) 15		n HHP locomotive w c) 15 minutes	vater wash done fo d) 30 minut		b	,
Pressure reaches a) 25 psi, 7 psi	_ at 8 th notch &			(a)
1588. Any engine coolar unsuitable for use it a) 5.5 b) 7.5	n HHP engine cool	ing system	lly considered	(d)
1589.Standard range of lis in between a) 5.5 to 7.5 b) 7.5		on inhibitor in HHP c) 9.5 to 10.5	loco coolant (b			
1590. Degree and top de a) Engine coupling c) Generator coupli	disc	are stamped on the o b) Ring gear d) Vibration dampe		(a))
1591. Clearance between		r teeth and EPU mus		,	b)	

a) Improper valve operation	gear train can cause (d) b) Improper fuel injection durations
	d) All of the above
1593. Which No. main bearing are known a) 2,6,8,9 b) 2,4,8,9 or	wn as critical main bearing? (a) (a) 1,5,6,10 d) 3,5,6,9
1594. In HHP Locomotive how many t a) One b) Two	hrust collar (bearing) is used? (b) Three d) Four
1595. In HHP Locomotive minimum cr a) 165.011 mm b) 165.10	rankpin journal diameter is (a) mm c) 215.90 mm d) 215.81 mm
1596. In HHP Locomotive minimum m a) 165.011 mm b) 165.10 mm	nain bearing journal diameter is (d) n c) 125.90 mm d) 215.81 mm
1597. In HHP Locomotive normal cran a) 165.011 mm b) 165.10 m	kpin journal diameter is (b) nm c) 215.90 mm d) 215.81 mm
1598. In HHP Locomotive normal main a) 165.011 mm b) 165.10 mm	
1599. In HHP Locomotive thrust bearin a) 0.010" – 0.021" b) 0.0075" – d) None of the above	
1600. In HHP Locomotive main bearin a) 0.010" – 0.021" b) 0.0075" – d)None of the above	<u> </u>
1601. In HHP Locomotive bearing to c a) 0.010" – 0.021" b) 0.007" – 0.	rankpin clearance limit is (c) 020" c) 0.007" – 0.015" d) None of the above
1602. WDP4 is a a) Single cab loco b) Duel cab loco d) Duel cab loco with Hotel load	oco c) Duel cab loco with disc brake
1603. Series of WDG4 is a) 20 b) 12 & 70	(b) e) 40 d) 70
1604. What is the full of form of TELM a) Tractive Effort Limiting Switch c) Tractive Effort Liming mechanic	b) Tracrtive Effort Limiting motor

a) Below	<u> </u>	Raditor fan start at w 790 c c) Above 850c	d) 960 c	(c)
		sh between no.1 idl 4" – 0.048 c) 0.016	_	_	" (a)
1607. There are Gauge?	e how many marks	in HHP Locomotiv	ve lube oil dipstic	ck (modified)	(c)
a)24	b)25	c)30	d) None of the	e above	
1608. Axle load a) 21T	d of WDG4 Locon b) 20.5T	notive is c) 20.25T	d) 19.5T		(a)
a) After erb) After erc)After en	ngine shut down & ngine shut down & gine shut down &	orking of soak back by opening no.1 of by opening no.8 of by opening no.9 of by opening no.16of	il pan hand hole il pan hand hole l pan hand hole c	cover cover	(d)
1610. No. of te	b) 113	Drive Gear is c) 131	d) 69		(b)
1611. What is t a) 7psi	he value of min.Table b) 8psi	SC Lube oil pressur c) 29psi	re at 1st notch in d) 12psi	HHP loco ((d)
a) on the lb) on the l		nside the accessory inside the crankcase			(a)
a) both toeb)both toec) both toe		e equal in length nger than outside too longer than inside to			(b)
a) "long to b) "short c) "long to	oe" of the slipper toe" of the slipper	ower assembly on er foot is facing the ce foot is facing the ce foot is facing the rig	ntre of the engine entre of the engir	e ne	(a)

1615. What is the mi	nimum permissible fu b) 2000 litres	nel oil level of HHP c) 1500 litres	Locomotive? d) None of t	(c) the above
1616. Starter motor t a) 1 & 8	to be remove during cobb 8 & 9	hanging of power as	ssembly no d) None of t	(c)
1617. How many TM a) 1	I blowers are fitted in b) 2	HHP Locomotive c) 3	d) 4	(a)
a) on left side pb) on right side p	attery knife switch loo latform near clean air platform near clean air platform hand brake bove	compartment	notive?	(a)
1619. Maximum pov a) 10HP	ver consumed by the rb) 15HP	radiator fan shall no c) 60HP	t be exceeds d) 90HP	(d)
1620. In HHP Locon a) T-90 & above c)T-360 & above		b) T-180 d	& above schedule above schedule	(b)
	tal pressure of atomize b) 1800-2000 psi		*	(c) 0-40000 psi
1622.How many sna a) 1 b) 2	p rings are fitted in th	O 1	n? l) 6	(a)
1623. Which grooves a) No. 4 groove	s rings of HHP piston s b) No. 5 grooves	<u>~</u>		(d) the above
1624. Which piston is a) No.2,3 Ring	rings of HHP piston at b)No.5,6 Ring		ng d) None	(a) of the above
1625. Which grooves a) No.2,3 Ring g c) No.1,4 Ring g		is interchangeable? b) No.5,6 Ring gr d) None of the ab	rooves	(a)
1626. Which piston a) No.1 Ring	rings of HHP piston is b)No.2 Ring	-	o" Grooves Only' d) None of the	

1627. In HHP Locomo a) 0.010"	otive main bearing to ob) 0.0.15"	crankshaft maxim c) 0.020"	num clearance is d) 0.025"	(c)
1628. Which piston ris	ngs many be installed b)No.2 Ring	with either side u c)No.3 Ring	ip? d) No.2& No.3 Ri	`	d) nly
-	ng has double hook scr b)No.5 Ring	raper? c)No.6 Ring	d) all of the above	(b)
1630. Which piston ris	ng is special spring loa b)No.5 Ring	nded with scallop c)No.6 Ring	ed property? d) all of the above	(c)
a) No.5 Ring manyb) No.6 Ring many	n cause of heavy oil log be installed upside dogs be installed upside dogs ander the oil control rings.	own own.		(d)
1632. To drain oil, aft a) 10o drain hole a c) 45o drain hole a	are used	b) 150 drain h d) None of the		(a)
1633. In spectrograph a) 0-50 ppm	ic analysis of engine lub) 0-20 ppm	ube oil normal rai c) 0-15 ppm	nge of Chromium (C d) 0-10 ppm	r) is ((d)
1634. Main lube oil pu a) Reciprocating c) positive displ	_	gear type pump	b) Centrifugal pump d) None of the above	p `	c)
1635. Piston cooling l a) Reciprocating c) positive disp		gear type pump	b) Centrifugal pump d) None of the above	_	c)
-	e oil filter by-pass valv 2 c) 3			? (b)
1637. What is the TSC a) 3340 rpm	C rpm of HHP Locomo b) 4492 rpm	otive at 1st notch: c) 15932 i		,	b) rpm
a) at the top the le	l number of crankcase eft bank at the real end e each end "A" frame	d b) right s		(ing c	d) aps.

1639. Value of Impeller Eye Cleara a) 0.012"-0.025" b) 0.024"	ance of HHP Tu '-0.048"	urbocharger at 9 O' c) 0.016"-0.039"	-
1640. Which oil is recommended by a) 10w-30,10w-40,15w-40,20w-b) RR 57 c) RR67	•	L Classification	(a)
1641. How many sand magnet valv a) 1 b)		HHP Locomotive?	(d)
1642. How many Sun Gear are fitted a) 1 b) 2	ed in HHP TSC c) 3	C?	(a)
1643. Lube oil groove is provided i a) lower bearing shell of crankpi c) both bearing shell of crankpi	oin	b) top bearing sheld) None of the abo	_
1644. Lube oil hole is provided in t a) lower bearing shell of crankpi c) both bearing shell of crankpi	oin	b) top bearing sheld) None of the abo	-
1645. There are two dowel hole in a lower bearing shell of crankper c) both bearing shell of crankper	oin	b) top bearing shel d) None of the a	-
1646. There are how many thrust be assembly? a)1 b)2 c)4		ed in Auxiliary General controls and the above	erator Drive (b)
1647. Lube oil drain cock is located a) Accessory room c) under truck at loco left side	b) und	ler truck at loco righ	(b)
1648. Lube oil filter housing drain (a) Accessory room c) under truck at loco left side	b) und	in ler truck at loco rightde the strainer hous	
a) the engine must be shut dow c) the engine must not be raise	n b) the	mpressor e engine must be run one of the above	(a) n in idle

a) Only TSC spin on filter c) Both, TSC soak back &	•	b) Only TSC	Soak back filter the above	(b)
1651. Bottom main bearing sh a)2Years	ell is changed after b)3Years	c)6Years	d) None of the ab	(b)
1652. Top main bearing shell is a) 2 Years	is changed after b) 3Years	c) 6 Years	d) None of the	(c) ne above
1653.Water system flexible ve a) T-360 & onward sched c) 3 Yearly & onward sch	ule	_	& onward schedule he above	(a)
1654. In DUROCAM all non-a) eliminate vibration b) e	_		surging d) all of	(a) the above
1655. CCB applies emergency a) 1.5kg/cm2 b)		P pressure dr c) 2.5 kg/cm ²		(c) ne above
1656. What is maximum perm TSC lube oil pressure a) 7 psi b) 8psi	issible pressure diffe c) 29psi	erence betwee	n main lube oil &	
1657. How much clearance is a) 0.007"-0.025" b) 0.0	maintained in betwee	en idler gear t 016"-0.039"	o stud shaft	(b)
1658. What is full Form of HC a) Hot Oil Device c) Heavy Oil Dilution	b)	Hot Oil Dete Heavy Oscilla	ctor ation Damping De	(b)
1659. WDP4B locomotive has a) 4 b) 6	sno. TM c) 4 or 6	d) no	one of the above	(b)
a) 80 b) 37			1) 26	(d)
otherwise Engine will sl a)EPD low water button & b) EPD crankcase button & c)Only LLOB operation.	hut down due to & LLOB operation. & LLOB operation		diately after engin	e start (a)

1662. During setting of injector timing a)concerned power assembly at Ti c)proper injector timing tool is using	DC b) OSTA is not trip condi	(d)
1663. Thrust clearance value of Auxilia a) 0.080"-0.120" b) 0.100"	<u>•</u>	(c) 30"-0.140"
1664. In HHP Locomotive duration of a) 87° b) 113°	<u>*</u>	(c)) 138°
a)20psi pressure with hot water c) 75psi pressure with not water	hydraulic test done at b) 50psi pressure with hor d) 90psi pressure with	
1666. Gear ratio (pinion Gear: Bull Ge a) 18:65 b)17:77		(b) of the above
<u> </u>	ned operated at a max speed of per res) b) 50 to 60 cycles(100 to 120strokes) d) None of the above	
1668. Gap between TM blower intake assembly i.e.MA/TM is a) 2.5 to 5 mm b)3.5 to 5 mm	ring and blower wheel on both sides of value of the c)4.5 to 5mm d) none of the	(b)
1669.Driver's backup valve handle is la a)Both control console / desk c) Behind ALP seat	b)Behind LP seat d) None of the above	(b)
1670. Don't open water tank pressurise a) filling water in c) pressing quick connector of	e cap withoutexpansion thank b) releasing pressure of d) all the above	c. (b)
a) different connection of connecto	k in HHP Loco it should be ensured that or & sensor of CCB System is removed r & sensor of Electrical System is removed nearest to the welding job	
1672.Don't conduct Air Brake Self-Tea a) shutdown the locomotive c) securing locomotive	est without b) inserting reverser handle d) All of the above	(c)

, 0	a)single cab loco c)Duel cab loco with disc brake			l cab loc el cab loco with	Hotel load	(а	ì)
1674.if pilot stud is a)1-2-3-4-5-6-7-8		-				_		
1675. Series of WD a) 12	DP4 b)20	c) 40		d)70		(b)
1676. WDP4BH is a) single cab loc c) Duel cab loc	co	ıke		el cab loco gle cab loco with	n Hotel load		d	1)
1677. What is the f a)High Tensile c)High Tensile	Steel Cast bog	gie		b) High Tensild d)None of the			a oog	,
1678. Series of WD	OG4D is b) 20		c) 40	d) 70		(d)
a)Improper tord b) inadequate of c) Bent of dislo d) All of the abo	que on the injecter of the cated injector of	ector crab nu between the	ıt	and cylinder he			by	·:
1680. 15psi relief v a) Return sight			ass c) Empty sight gl	lass d) None	(a)
	eat area inside to cone out of rou clearance between	the injector and wrong a	nut angle or	caused by: contains surfac ad and body of t		(a)
1682. What is the f a) Restricted Air c) Restored Air	r Penalty Brak			apid Air Penalty Ione of the abov		(a)
1683. What is the f a) Automatic E c) Automatic E		own		omatic Emergen) None of the ab		(ake	b)

a) Low Lube Oil B c) Low Lube Oil b	utton of Governo		ube Oil Button one of the above	(a)
1685. In spectrographic a) 0-75ppm	e analysis of engines b) 0-50ppm	ne lube oil normal ra c) 0-20ppm	ange of Tin (Sn) is d)0-15ppn	(c)
1686. Series of WDP4I a)12	3 is b)20	c)40	d)7	(c)
1687.WDG4DD is a a)single cab loco c) Duel cab loco w	ith disc brake	b) Duel ca d) Duel ca	ab loco ab loco with Hotel l	(c)
1688. Minimum Fuel o a) 4.9 kg/cm2	il pressure of HH b) 3.1 kg/cm2		m2 d)2.1 kg	(d) g/cm2
a) a lube oil temper c) a temperature ga	rature sensor	b) a 3/4" pl	lug f the above	(a)
1690. Diameter of the 6 a) 1/2" b) 1/4"		pressure sensing pip 1/8"	pe line is	(d)
1691. Axle load of WD a)21 T b)20.5 T	c)20.25 T d)			(d)
1692. During pre-lubric a)Only TSC Spin c)Both TSC soak	on filter	b)Onl	y TSC Spin soak ba) None of the above	
1693. Drivers backup ba	b) 03 position	c) 04 positio	on d) 05 position	(b)
1694. Which of the foll a) V-Emergency F c) ll-Running Posi	Position	re in drivers backup b)111-Lap Positi d) All of the abo	on	(d)

· ·	be operated to hori be operated to vert	ve izontal position from verticatical position from horizont	
1696. During failure of with Maximum s	•	on to be clear by Drivers ba	ckup brake valve
a) 10kmph	b) 15kmph	c) 25kmph	d) 40kmph
a) it has Two positiob) During normal wo	n orking this cock sho	arding" Dead Engine Cock ould be kept in horizontal puld be kept in vertical (900)	position
1698. No. of roller in Co a) 10	ompressor Drive cou b) 12	apling is c) 8	(a)
a) It has Two positionb) During normal w	on orking this cock sho	arding " Dead Engine Cock ould be kept in "OUT" posi uld be kept in "IN" position	tion
a) Doweling assemble b) Rotating assemble c) Gear drive assemble d) All of the above	oly y	turbocharger is	(d)
1701. The doweling asso a) 6 iron casting b) :	_	of g c) 5 steel forging unit d)	(a) None of the above
1702. Valve of Impeller a) 0.012"-0.025"	=	IHP Turbocharger at 3 0' C c) 0.016"-0.039"	_
1703. The doweling asso a) Compressor scroll c) Turbine bearing st		b) Compressor bearing su d) All of the above	(d)
1704. The doweling asso	<u> </u>	c) Carrier bearing support	(d) d) All of the above

1705 is also known as the heart of many turbocharger. a) Doweling assembly b) Rotating assembly) Gear drive assembly d) All of the about	b) ove
1706. No. of teeth in governor Drive Gear is a) 37 b) 131 c) 80 d) 113	d)
1707. MR tank of HHP Locomotive is fitted at a) Left side of the locomotive c) Both side of the fuel tank (b) Right side of the locomotive d) None of the above	b)
1708. Nozzle ring is part of (base) a)Doweling assembly b) Rotating assembly c)Gear assembly d) All of the above	o) ove
1709. No. of teeth in Camshaft Drive Gear is a)26 b) 37 c) 79 d) 113	c)
1710. Exhaust diffuser is a part of a)Doweling assembly b) Rotating assembly c)Gear assembly d) All of the above	,
1711.Planet gear is a part of (c a)Doweling assembly b) Rotating assembly c)Gear assembly d) All of the above	,
1712. Carrier shaft assembly is a part of a)Doweling assembly b) Rotating assembly c)Gear assembly d) All of the above	/
1713. The passage between stationary vanes of nozzle ring is called (a a)Nozzle b) Cradle c)Diffuser d) None of the above)
1714.In 710-G TSC no. of blade in impeller is a)34 b)53 c)16 d) None of the above)
1715.In 710-G TSC no. of blade in turbine is a) 34 b) 53 c) 16 d) None of the above)
1716. In 710-G TSC impeller is made of a) Stainless steel b) Copper c) Aluminium d) Brass)
1717. In 710-G TSC impeller is made by a)Casting b)Forging c)Friction welding d) None of the above	_
1718. There are Silver –plated hydra-dynamic bearing is HHP TSC (da) 2 b) 3 c) 5 d) 6)

1719. "Labyrinth" seal used in the Turbocharger, basically is a a) Viton rubber seal b) P.T.F.E Teflon c)Air pressure seal d) None of the above
1720. Which "Labyrinth" seal is found in HHP a) Impeller Seal b) Compressor Seal c) Turbine Seal d) All of the above
1721.lmpeller seal is located a) Directly behind the impeller b) Between the turbine blades and the compressor bearing c) Between the turbine blades and the turbine bearing d) None of the above 1722. Which sight glass is fill up with bubble less fuel oil a) Return sight glass b) By-pass sight glass c) Empty sight glass d) None of the above
1723. Function of Impeller seal is to a) Prevent oil in the compressor bearing area from being drawn out into the compressor airscroll by the suction created on the impeller spin b)Prevent oil from migrating in to exhaust section from the compressor bearing c)Prevent oil From migrating into the exhaust duct from the turbine bearing d) All of the above
1724.Function of compressor seal is to a) Prevent oil in the compressor bearing area from being drawn out into the compressor air scroll by the suction created on the impeller spin b)Prevent oil from migrating in to exhaust section from the compressor bearing c) Prevent oil From migrating into the exhaust duct from the turbine bearing d)Allof the above
1725. Function of turbine seal is to a) Prevent oil in the compressor bearing area from being drawn out into the compressor air scroll by the suction created on the impeller spin b) Prevent oil from migrating in to exhaust section from the compressor bearing c) Prevent oil From migrating into the exhaust duct from the turbine bearing d) All of the above
1726. FAD of HHP Loco compressor should not be less than a) 400LPM at 950rpm b) 5677 LPM at 950rpm c) 6000 LPM at 950rpm d) 7000LPM at 950 rpm
1727. Lube oil consumption of HHP Loco compressor should not be more than (a) a) 1.5 liters/month b) 2.0 liters/month c) 3.0 liters/month d) 3.5 liters/month

1728. In HHP loco a) 100°C	b) 150°C	rge air temp .at HP ou c) 200°C	atlet many allowed d) 250°C	up to(c)
	f, loading & unloading leading loco	ng of compressor of b) MVCC of trailing d) None of the above	loco	onized by(c)
b) Unloading & C) Loading &	f compressor of both g of compressor of b t unloading of comp	n loco is occurred at so th loco is occurred a ressor of both loco is pressor of both loco is	t same pressure occurred at same p	
1731. In HHP Loc	omotive ,LP& HP c	ylinders of compresso	or are arranging wi	th an angle
of a) 30° between c) 60° between			etween them. between them.	(c)
1732. Rising Copp a) Thrust was		on oil is a concern of wear c) Liner w		(a) of the above
a) 0.070"-Ba	b		ng	(c)
1734. Thrust wash	er wear in a power r	oack can be determine	e by	(c)
	n head wear reading	b)Absolute snap ri d) None of the abo	ng clearance	(,
1735.To check Th	rust washer wear by	" absolute snap ring c	clearance method c	oncerned
piston to be a)TDC	kept in b)BDC	c)450 after TDC	d) 22 ½0 after	(b)
1736. Valve bridg a) Copper	e spring seat is made b) Bronze c)		ne of the above	(b)
	nder pressure check power assemblies pi	(Blow bye test) of Hi ston to be kept at	HP Locomotive	(a)
a)TDC	b)BDC	c)107 ½0 TDC	d) 22 ½0a	fter TDC

a) Bend valvb) Trapped of	e stem leposits between va ly worn valve seats	ower assembly can be alves and correspond		(d)
1739. Maximum sp a)817rpm	beed of traction mo b)2898rpm	tor blower of WDG c)3342rpm	4D Locomotive is d) None of the abo	(c)
1740. No.3 Compr a) 0.010"	ession ring to land b) 0.012"	maximum permissil c) 0.015"	ble clearance is d) 0.018"	(b)
1741. Fins of after	cooler core is made	e of		(b)
a) Brass	b) Copper	c) Tin	d) None of	the above
1742. In HHP Loce a)110mm		ck to wheel clearanc 19.1mm to 31.8mm	e in no.1 & 6 wheel d d) None of the abov	
top of the ta a) About 4 ½'	_	f fuel tank is indicat b) About 7 ½" d) None of the	-	(a)
1744. TM Blower a) 205ft-lbs.	_	rque at c) 250ft-lbs.	d) 50ft-lbs	(a)
a) lts maxir	el supply. Hold the num governor rack ninimum governor		at ts minimum governor Vone of the above	(a) rack length
1746. Minimum fla a) 35° C	ash point of HSD is b)194° (d) None of th	(a) ne above
a) Isolating i	njector l y shaft at its maxin	sing testing fuel suppolising testing FPM num governor rack l		(c)
-	wound valve sprin	•	MD recommended use wound valve spring ne above	e of (b)

a) 3340rpm b) 4492rpm	c) 15932rpm d) 18400rpm
1750. In spectrographic analysis of engal 0-75 rpm b) 0-50rpm	ne lube oil normal range of lead (pb) is (b) c) 0-20rpm d) 0-15rpm
1751. What is the full from of ECP?a) Engine Control Panelc) Electrical Control Panel	b) Emergency Control Panel d) None of the above
1752. Which of the following NDT protesting a) ZYGLO testing b) MP	ess is used for auxiliary generator drive shaft (a) c) UST d) None of the above
<u> </u>	guard & rail guard is measure and recoded?(b) above c) T-180 & above d) 3Yeatly & above
1754. Which oil is filled in HHP loco g a) RR460 b) SP10	c)RR606 d) SP57
1755. Which type of CBC is fitted in V a) E-type b) F-typ	DP4D Locomotive (c) c) H-type d) None of the above
1756. How many magnetic poles are in a) 8pole b) 12pole	adiator fan when run in full speed? (a) c) 16pole d) None of the above
1757. "Finger tightness check" is related a) Basket to con rod bolts c) Water inlet tube in liner bolts	to b) Basket to basket bolts d) All of the above
a) On the left side of the engine c) On the left side of the locome	b) On the right side of the engine d) None of the above
1759. In HHP Locomotive normal lub a) 70-90° C b) 70-80	<u>*</u>
1760. No. of teeth in Scavenging Lube a) 79 b) 80	il Pump Drive Gear is (b) c) 81 d) 64
1761.During compression pressure tes a) approximately 06 revolutions c) approximately 15 revolutions	g crank the engine over using the starters (a) b) approximately 12 revolutions d) None of the above

a) 1000 CFM	b) 1500 CFM	c) 2000 CFM	d) 2500 CFM	(a)
1763. On.4 Compressio a) 0.010"	n ring to land maxin b) 0.012"	num permissible clea c) 0.015"	rance is d) 0.018"	(c)
1764. During engine sta a) 954rpm	orting starter motor r b) 1035-1050rj		Orpm d) 1200-4	(d) 4800rpm
b) WDG4 pinion	diameter is larger that diameter is larger the G4 & WWDP4 locor	an WDG4 pinion an WDG4 pinion	Locomotives pi	nion?(a
1766. Codal life of after a) 6years	cooler is b) 10years	c) 12years	d) 18years	(b)
1767. Codal life of lube a) 6years	oil cooler is b) 10years	c) 12years	d) 18years	(b)
1768.How many horn a a) 1	re fitted on the roof b) 2	HHP Locomotive c) 3	d) 4	(d)
1769. Water percentage a) Hydro gauge	in lube oil is determ b) Hydromete		ter d) Tens	ometer
	ke from TSC chimn mbustion of fuel oil in combustion cham	b) Lube o	il burning in com	(b) bustion
b) Reliability and c) TSC fitment and	related to andard examination of quality issues of Po and matching procedu g Schedule of HHP	wer Assembly are		(a)
1772. In HHP Locomot a) T-30 & above c) T-90 & above	schedule	on filter is changed of b) T-60 & above school T-180 & above school T-18	edule	(d)

a) 85mm above ra c) 148mm above ra	•	b) 102mmabove rail le	vel
1774. Which of the follo	•	ted in the traction motor c) Air pressure sensor	? (b) d) All of the above
1775. Normal horsepow a) 855hp			s (a) None of the above
1776. Maximum starting a) 400kn	g tractive effort of V b) 540kn		(a) None of the above
1777. In spectrographic a) 0-75ppm	analysis of engine b) 0-50ppm	lube normal range of iro c) 0-20ppm	n (Fe) is (a) d) 0-15ppm
1778. Piston to cylinder a) 0.13 mm	head maximum cle b) 0.51 mm	earance in new power ass c) 1.73 mm	sembly is (c) d) None of the above
b) Intermediate cc) Rear and intermediate	nt assembly are fitted remediate front char hamber assembly mediate rear chamb urbocharger assem	mber assembly oer assembly	(d)
1780. Which of the follo	_	-	P Locomotive (d) ll of the above
1781.70psi valve is loca a) Return sight gla		glass c) Empty sight gl	(b) assd) None of the above
1782.Acording to shape a) 01type	type of main beari b) 02type		otive is (c) type
1783. In WDP4/4 Locor a) 7-9 seconds	motive independent b) 8-12 seconds		ne is (b) d) 15-20 seconds
1784Gear is atta a) Sun gear	ched with the carri b) Planet gears	er. c) Ring gear	(b) d) None of the above
1785.Piston stroke o WI a) 10"	DG4/4D engine is b) 10.5"	c) 11"	(c) d) None of the above

_	side the exhaust manifold of crankcase is (a) d to front end c) Both a.& b. d) None of the above
1787. Hand brake return spring is located a) Inside the hand brake assembly c) At under frame	b) At compressor room d) None of the above
1788. Big "Y" header is located at a) Front end of the engine c) Middle of the engine	b) Rear end of the engine d) None of the above
1789. Purpose of the jacking pad is to su a) Run c) Middle of the engine	pport the weight of the locomotive while (d) b) Rear end of the engine d) None of the above
1790. Function of soak back lube oil systa a) Lubricate the TSC gear train before c) Middle of the engine	
1791. HVAC fitted in HHP locomotive. a) Heating Ventilating and Air Condit c) High Voltage Alternating Current	
1792. Epicyclic gear trains are used in H gear trains is to a) Obtain high velocity ratio in comp b) Obtain the desired direction of mo c) Transmit power when the distance d) None of the above	tion of drive gear
1793. Lube oil is filter is filtered up to a) 600μ b) 13μ c) 02μ	d) None of the above
	ankshaft. from damage due to hydraulic lock. approximately 30rpm during the first engine d) All of the above
1795.Onload condition TSC is driven up a) 5th notch b) 6thnotch	

a) Clutch test b) Turbocharger oil pressure test c) Run down time test d) All of the above	1)
1797. Injector control shaft & governor control link is connected through a) Ball bearing & nut-bolt. b) Roller bearing & nut-bolt c) Needle bearing & nut-bolt d) Taper roller bearing & nut-bolt)
1798. If lube oil is emulsified ,then a) Replace all lubrication oil filters c) Inspect & replace one upper main bearing d) All of the above	_
 1799. During EPD testing if throttle is above third notch then shut down will occur in (a) Approximately 60 seconds. b) Approximately 40 seconds. c) Approximately 35 seconds. d) Approximately 02 seconds. 	d)
1800. Lube oil pressure is lowest at the a) Rear of the engine c) Immediate after lube oil relief valve. (a b) Front of the engine d) None of the above)
1801. Planet gear engage with the sun gear at interval. a) 600 b) 900 c) 1200 d) None of the above)
1802. Which of the following crankshaft journal does not have a hole for lube oil? (ba) 1 b) 5 c) 10 d) None of the above)
1803. Screen of exhaust screen assembly is made of a) High speed steel b) Chromium stainless steel c) SAE 1050 Steel d) None of the above)
1804. Water seal of modified water pump is made of a) Copper b) Bronze c) Carbon d) Rubber)
1805. TSC compressor bearing oil passage pipe plug is located at a) Right side of the TSC b) Left side of the TSC c) Both side of the TSC d) None of the above	
1806. No. of teeth in Main Lube Oil Pump Drive Gear is a) 79 b) 113 c) 64 d) 80	
1807. Which of the following is the reason for high exhaust gas temperature (d) a) Improperly timed fuel injector b) Incorrect valve timing c) Worn injector tips d) All of the above	

1808. Cylinder liner is	s made by		(a	ι)	
a) Casting	b) Forging	c) Welding	d) None of the	above	
1809. Specified limit of a) ±0.005"	of compressor radial b) ±0.010"	l run out is c) ± 0.015 "	d) ±0.020"	b)	
a) ±0.003	b) ±0.010	c) ±0.013	u) ±0.020		
1810. TSC Spin on filt	er up to		((i)	
a) 2µ	b) 6μ	c) 13µ	d) 30µ		
1811. No.5 crank pin	iournal is lubricated	l through	C 1/2	(a)
a) No. 7 main bea			bearing journal		,
c) No. 8 main bear	• •	d) None of the			
1812. Roller bearing o	f injector control sh	oaft is changed during		(d)
a) T-360 & above		b) T-720 & ab	ove schedule	(u)
c) 3 yearly & above		d) 6 yearly sch			
1813. In spectrographi	a analysis of anains	y luba oil High rongo o	of Iron (Ea) is	(L	• \
a) above 150ppm		above 125ppm	of Holl (Fe) is	(.)
c) above 75ppm		above 50ppm			
1014 In HHID I accome	Airra harraman kual	les colindos que fittos is	- o 4m-olz	(a)
a) 4	b) 6		1 a truck 1) 16	(;	a)
,			.,		
1815. In HHP Locomo		_		(c)
a) 0.005"	b) 0.008"	c) 0.010"	d) 0.012"		
1816. In HHP Locomo	tive compressor oil	is changed during		(c	1
a) T-30 & above		b) T-60& abov			
c) T-90 & above	schedule	d) T-180 & ab	ove schedule		
1817. Free air delivery	of ELGI compress	or is		((·)
a) 4000 LPM	b) 5000 LPM	c) 5380 LPM	d) 6000	LPM	
1818. Minimum lube o	vil pressure of Com	nrassor at low idla sna	ad at 600 tamp is	s (b)
a) 8 psi	b) 15 psi	c) 20 psi	d) 25-29 psi	, (0)
, 1	, 1	, 1	, 1		
1819. WLG model cor	-	-) (1:-1	1) NJ f	(c	,
a) 3 cylinders	b) 4 cylinders	c) 6 cylinders	d) None of	the abo	ove
1820. HHP Locomotiv	e compressor has			(a)
a) 3 cylinders	b) 4 cylinders	c) 6 cylinders	d) None of the	ne abov	e

a) Spring type b) Diaphragm type c) Reed type d) None of the above	ve	c)
1822. In HHP Locomotive compressor which type sump is used a) Deep sump oil pan b) Shallow sump oil pan c) Narrow sump oil pan d) None of the above	(c)
1823. In HHP Locomotive compressor which type lube oil pump is used a) Plunger type oil pump b) Gear type oil pump c) Reed type oil pump d) None of the above		b)
1824. Purpose of cylinder head seat ring is a) to maintain proper piston to head clearance b) to provide proper setting surface of the cylinder head c) to provide sealing between cylinder head & crankcase head retainer d) All of the above	(d)
1825. To tighten the injector rocker arm adjusting screw turning is a) Counter clockwise b) Clockwise c) Any direction d) None of the	(ab	b ove	
1826. Maximum speed of WDP4D Locomotive a) 105kmph b) 165kmph c) 140kmphd) 160kmph	(b)
1827. In HHP Locomotive what is permissible difference in wheel diameter on the same Locomotive a) 0.5-2.5 mm b) 02-08mm c) 15-25mmd) Nome of the above	(c)
1828. In HHP Locomotive duration of scavenging period is a) 43.5° b) 113° c) 110.5° d) 138°	(c)
1829. In HHP Locomotive duration of exhaust period is a) 87° b) 113° c) 16.6° d) 138°	(d)
1830. To apply emergency brake. Fireman emergency brake handle is a) Operated to downward b) Lifted to Upward c) Operated Upward d) None of the above	(b)
1831. How many ABD are fitted in HHP Locomotive a) 1 b) 2 c) 3 d) 4	(b)

1832. Normal position of fireman emergency brake handle is a) Downward b) Upward c) In middle position d) None of the above
1833. Height of WDG4D Locomotive over AC is a) 4.22 meters b) 4.25 meters c) 4.20 meters d) None of the above
1834. Thickness of HHP fuel tank plate is a) 5-6 mm b) 6-7 mm c) 7-8 mm d) None of the above
1835. Fuel tank capacity of WDP4 Locomotive is a) 5000Litres b) 6000Litres c) 6500Litres d) 4000Litres
1836. Axle load of WDP4D Locomotive a) 21T b) 20.5T c) 20.25T d) 19.5T
1837. Length of WDP4 Locomotive is a) 21T meters b) 21.24 meters c) 21.7 meters d) None of the above
1838. Which of the following pair contain the same no. of teeth a) sun gear & water pump gear b) Accessory drive gear & Governor c) Left side cam gear & right-side cam gear d) All of the above
1839. Fuel flowing in By-pass sight glass indicates that a) Fuel oil spin on filter is chocked c) Fuel oil suction strainer is chocked d) All of the above
1840. Which sight glass is always being empty a) Return sight glass c) Both return & by-pass sight glass d) None of the above
1841. Backlash of auxiliary generator is measured by a) filler gauge b) "C" clamp, Magnet block & dial gauge c) Lead wire d) None of the above
1842. Injector timing is measured by a) Vernier caliper b) Timing tool c) Outside micrometer d) Filler gauge
1843. TSC rpm is measured by a) EPU b) TPU c) SLM d) Pyrometer
1844. Crank shaft rpm is measured by a) Tachometer b) Vibration meter c) Decibel meter d) Pyrometer

a) Filler gauge b) Magnet block & dial gauge c) Lead wire d) None of the above	(a)
1846. Exhaust valve timing is measured by a) Vernier caliper b) Timing tool c) Filler gauge d) Magnet blo	(ock & dial g	d) gauge
1847. Weight of WDP4 Locomotive is a) 126 T b) 123 T c) 121.2 T d) 1	(17 T	d)
1848. Fuel tank capacity of WDP4B Locomotive is a) 5000Litres b) 6000Litres c) 6500Litres d)	4000Litres	a)
1849. In HHP Locomotive what is permissible difference in . on the same axle? a) 0.5-2.5 mm b) 02-08mm c) 15-25mm d) None of	of the above	a)
1850. In HHP Locomotive what is permissible difference in wheel diamet on the same bogie? a) 3.2 mm to 6.4 mm b) 5.2 mm to 6.4 mm c) 1.2 mm to 3.4 mm	eer (a)
1851. Valve of backlash between TSC Drive gears to TSC Idler gear is a) 0.012"-0.025" b) 0.024"-0.048 c) 0.016"-0.039"	d) 0.006"-0	d) .018"
1852. Maximum speed of WDG4 Locomotive is a) 100kmph b) 105kmph c) 135kmph d) 160kmph	(a)
1853. If Cylinder head seat ring is damage then a) Crankcase head retainer wear will increase c) Crankcase vacuum will destroy d) All of the above		d) crease
1854. Injector Timing Plate is located on the a) Right rear side of the engine crankcase b) Left rear side of the engine crankcase c) Right front side of the engine crankcase d) Left Front side of the engine crankcase	(a)