

RAJA BHASHA

1	What is the Official Language of Union of India?	
	A) Hindi in Roman Script	C) Hindi in Devnagari Script
	B) Hindi in Telugu Script	D) Hindi in Dogri Script
2.	When was Official Language Act 1963 amended?	
	A) 1966	C) 1964
	B) 1967	D) 1965
3.	How many sections are there in Official Language Act?	
	A) 6	C) 8
	B) 7	D) 9
4.	When is 'Hindi Day' celebrated every year?	
	A) 14 th June	C) 14 th December
	B) 14 th November	D) 14 th September
5.	From when did the Sec 3(3) of Official Language Act take effect?	
	A) 26 th January,1963	C) 26 th January,1965
	B) 26 th January,1967	D) 26 th January,1964
6.	Maximum how many Artists can participate in Hindi Drama Competitions?	
	A) 20 Artists	C) 15 Artists
	B) 10 Artists	D) 16 Artists
7.	How many languages have been included in the 8 th schedule of the Constitution?	
	A) 18	C) 16
	B) 22	D) 20
8.	How many states and Union Territories come under the Region 'C'?	
	A) 11	C) 19
	B) 6	D) 20
9.	When were the Official Language Rules passed ?	
	A) 1965	C) 1956
	B) 1967	D) 1976
10.	Who was the First Chairman of the Official Language Commission?	
	A) Sardar Vallabh bhai Patel	C) B.G.Kher
	B) Pandit Jawaharlal Nehru	D) G.B. Panth
11.	As per the Constitution of India, who is translating the statutory rules, regulations and orders ?	
	A) Ministry of Defence	C Ministry of Law
	B) Ministry of Home Affairs	D) Ministry of Railways

12.	Which rule of Official Language mentions about the working knowledge of the Officer / Employee?	
	A) Rule- 9 of Official Language Rule1976	C) Rule-11 of Official Language Rule1976
	B Rule-10 of Official Language Rule 1976	D) Rule-12 of Official Language Rule 1976
13.	Who chaired the first Railway Hindi Salahkar Samiti constituted in 1973 ?	
	A) Sri Lalith Narayan Garg	C) Sri Lalith Narayan Varma
	B) Sri Lalith Narayan Sharma	D) Sri Lalith Narayan Mishra
14.	Which Sub - committee of the Parliamentary Committee on Official Language inspects Railway Ministry?	
	A) First	C) Third
	B) Second	D) Fourth
15.	How many Hindi courses are prescribed for Central Govt. Employees?	
	A) 1	C) 3
	B) 2	D) 4
16.	Which is the elementary Hindi course prescribed for Central Govt. Employees?	
	A) Parangat	C) Pragya
	B) Prabodh	D) Praveen
17.	Which is the recently introduced Hindi course prescribed for Central Govt. Employee?	
	A) Parangat	C) Pragya
	B) Prabodh	D) Praveen
18.	Who is the Chairman of Central Hindi Committee?	
	A) President	C) Prime Minister
	B) Vice President	D) Home Minister
19.	How many members are there in the Committee of Parliamentary on Official Language?	
	A) 10	C) 30
	B) 20	D) 40
20.	What is the periodicity of the meetings of Official Language implementation Committee?	
	A) Thrice in 3 Months	C) Once in 3 Months
	B) Twice in 3 Months	D) Once in Month
21.	Who prepares the Annual Programme on Official Language?	
	A) Ministry of Railways	C) Defence Ministry
	B) Ministry of Home Affairs	D) Cultural Ministry
22.	How many times the Regular Hindi exams are conducted in a year?	
	A) Three times	C) Two times
	B) Four times	D) One time

23.	What is the Lumpsum Award for passing Pragya?	
	A) 600	C) 1800
	B) 1200	D) 2400
24.	In which order Name, Designation and Sign Boards are to be exhibited?	
	A) 1. Hindi 2. Regional Language 3. English	C) 1 Regional Language 2. Hindi 3. English
	B) 1. English 2. Regional Language 3. Hindi	D) 1. Hindi 2. English 3. Regional Language
25.	Who is the Chairman of the Divisional Official Language Implementation Committee?	
	A) Divisional RBA	C) Sr. DPO
	B) AMRA	D) DRM
26.	The Eighth schedule of the Constitution deals with_____	
	A) Fundamental right	C) Language
	B) Schedule Caste	D) Reservation
27.	How many states are come under Regions B?	
	A) 03	C) 07
	B) 04	D) 06
28.	When is WORLD Hindi Day is is celebrated?	
	A) 26 th January	C) 15 th August
	B) 14 th September	D) 10 th January
29.	Which Rule of Official Language Rule mentions about the Proficiency of the Officer/Employee?	
	A) Rule 9	C) Rule 8
	B) Rule 10	D) Rule 7
30.	What are the three regions classified under Official Language Rules?	
	A) A,B,C regions	C) 1,2,3 Regions
	B) D,E,F Regions	D) X,Y,Z Regions
I General Knowledge, Geography, Science, History, Events		
31.	Which place is called the pink city of India?	
	A) Rajasthan	C) Delhi
	B) Jaipur	D) Assam
32.	What is Computer Brain?	
	A) CPU	C) Memory
	B) RAM	D) ROM
33.	Which element is the best conductor of electricity?	
	A) Silver	C) Zinc
	B) Carbon	D) Nitrogen

34.	The first Indian Woman to go into Space?	
	A) Janaki Ammal	C) Kalpana Chawla
	B) Aditi Pant	D) Rajeshwari Chatterji
35.	Which was the first Satellite of India?	
	A) Bhaskara	C) Aryabhata
	B) Rohini	D) Kalpana
36.	When was first Olympic Games held?	
	A) 1897	C) 1865
	B) 1896	D) 1987
37.	Who is known as Metro man?	
	A) Vallabh Bhai Patel	C) Mr. Dhanraj
	B) E Sreedharan	D) Raghunath Prasad
38.	Which colour has the least wavelength?	
	A) Yellow	C) White
	B) Violet	D) Red
39.	Tropic of Cancer passes through how many states of India?	
	A) 5	C) 8
	B) 7	D) 10
40.	Which river crosses the Equator twice?	
	A) Amazon River	C) Nile River
	B) Congo River	D) Danube River
41.	Which is the largest desert in the world?	
	A) Sahara	C) Cabbage
	B) Thar	D) Kalahari
42.	Who was the first Lok Sabha speaker of Independent India?	
	A) Sarojini Naidu	C) Frank Anthony
	B) G V Malvankar	D) K M Munshi
43.	The Largest UT of India is	
	A) Andaman & Nicobar	C) Daman & Diu
	B) Chandigarh	D) Puducherry
44.	Which State has the largest Coastline?	
	A) Rajasthan	C) UP
	B) Orissa	D) Gujarat
45.	The present name of Kamapura is	
	A) Nagaland	C) Assam
	B) Kolkata	D) Arunachal Pradesh

46.	Which State of India is leading in Solar energy generation?	
	A) Jharkand	C) Mizoram
	B) Chattisgarh	D) Rajasthan
47.	Which city is referred to as the Silicon valley?	
	A) Bangalore	C) Mumbai
	B) Chennai	D) Kolkata
48.	What is the name of the distance between two points south and north of the Equator?	
	A) Altitude	C) Longitude
	B) Latitude	D) Multitude
49.	What is the largest mountain range in the world above sea level?	
	A) None	C) Andes Mountains
	B) Himalayas	D) Alps Mountains
50.	Which mission has been started by India to help the people suffering from the devastating earthquake in 'Turkey and Syria'?	
	A) Operation Dost	C) Operation Ganga
	B) Operation Syria	D) None of the above
51.	Where is the 'World Economic Forum Summit 2023' held?	
	A) Davos (Switzerland)	C) Glasgow (Scotland)
	B) Jakarta (Indonesia)	D) Dushanbe (Tajikistan)
52.	In which city has the World's first 'Real-time Gold ATM' been installed?	
	A) Dubai (UAE)	C) Hyderabad (India)
	B) Haarlem (Netherlands)	D) Brullels (Belgium)
53.	Where will India's first Green Energy based 'Solar panel manufacturing factory' be set up?	
	A) Madhya Pradesh	C) Uttarakhand
	B) Telangana	D) Haryana
54.	In which year the 'Aditya-L1' mission to observe the Sun and the Solar corona will be launched by ISRO?	
	A) 2025	C) 2024
	B) 2023	D) 2027
55.	Which country will host the '15 th BRICS Summit 2023'?	
	A) Brazil	C) South Africa
	B) India	D) Bangladesh
56.	Who has been honoured with the 'Peace Prize 2022' by the Gandhi-Mandela Foundation?	
	A) Dalai Lama (Tibetan Religious Leader)	C) Shehan Karunatil (Literature)
	B) Danish Manzoor Bhatt (Journalist)	D) Barbara Metcalf (Historian)
57.	What has been announced by the Central Government to change the name of 'Rajpath and Central Vista Lawns (Delhi)'?	

	A) Nehru path	C) Swaraj Path
	B) Kartavya Path	D) Atal Path
58.	When has 'World Peace Day 2022' been celebrated?	
	A) 20 th Sept	C) 21 st Sept
	B) 18 th Sept	D) 19 th Sept
59.	In which Country has the World's longest (1910 meter long) passenger train service started?	
	A) Hongkong	C) Switzerland
	B) Belgium	D) New Zealand
60.	Which of the following is called 'Wood Alcohol'?	
	A) Ethyl	C) Propyl
	B) Butanol	D) Methanol
61.	Which of the following are the defects of vision?	
	A) Myopia	C) Presbyopia
	B) Hypermetropia	D) All of the Above
62.	Who of the following invented Face book?	
	A) Mark Zuckerberg	C) Robert Fulton
	B) Benjamin Franklin	D) None of the Above
63.	Who discovered 'zero'?	
	A) Rodgor Federer	C) Albert Einstein
	B) Aryabhata	D) None of the Above
64.	Which is the largest country by Area?	
	A) America	C) Russia
	B) England	D) France
65.	Which planet in our solar system is known as the 'Red Planet'?	
	A) Mercury	C) Uranus
	B) Mars	D) Venus
66.	Which two elements make up water?	
	A) Hydrogen and Helium	C) Carbon dioxide and Nitrogen
	B) Hydrogen and Carbon dioxide	D) Hydrogen and Oxygen
67.	Who has been appointed as the new CEO of 'NITI Aayog'?	
	A) K V Shaji	C) B V R Subrahmanyam
	B) Michael Patra	D) Debashish Panda
68.	When did the capital of India shifted from Calcutta to New Delhi?	
	A) 1910	C) 1912
	B) 1911	D) 1914

69.	Who among the following is the 50 th Chief Justice of India?	
	A) U U Lalit	C) N V Raman
	B) D Y Chandrachud	D) Y V Chandrachud
70.	Who has become the 2 nd CDS of India?	
	A) Vipin Rawat	C) V R Chaudhary
	B) Anil Chauhan	D) M M Narvane
71.	Who has been appointed as the 25 th Chief Election Commissioner?	
	A) Sushil Chandra	C) Rajiv Kumar
	B) Anup Chandra	D) Ashok Lavasa
	III Railway working, Leave rules, Pass rules, DAR & Establishment	
72.	Who has been appointed as the New Chairman and CEO of Railway Board recently?	
	A) Shiva Kumar Saxena	A) Sujoy Lal Thakosen
	B) R Vijay Kumar	B) Anil Kumar Lahoti
73.	Which one of the following states does not have a Railway Station?	
	A) Meghalaya	C) Assam
	B) Tripura	D) Arunachal Pradesh
74.	In which year did the Indian Railways start?	
	A) 1953	C) 1853
	B) 1858	D) 1896
75.	What is the standard form used for Deemed Suspension?	
	A) SF-2	C) SF-3
	B) SF-5	D) SF-4
76.	Period for appeal under DAR rule is _____ days.	
	A) 45	C) 15
	B) 30	D) 35
77.	Under which Rule of DAR a employee can be suspended?	
	A) Rule No 8	C) Rule No 6
	B) Rule No 3	D) Rule No 5
78.	Who is the supreme disciplinary authority?	
	A) President of India	C) Chief Minister
	B) Prime Minister of India	D) Chief Justice of India
79.	Under which DAR rules is the process for imposing major penalty given?	
	A) Rule -2	C) Rule -9
	B) Rule -7	D) Rule -12
80.	Which form is given for major penalty issued is	

	A) SF-2	C) SF-3
	B) SF-5	D) SF-11
81.	Indian Railways 1 st Gati Shakti Cargo Terminal commissioned in which Railway Zone?	
	A) Eastern Railway	C) Central Railway
	B) Northern Railway	D) Konkan Railway
82.	Indian Railways successfully tested Indigenous Anti- Collision system to avoid rail accidents?	
	A) Nazar	C) Safar
	B) Kavach	D) Fast brake
83.	Which Railway zone has achieved the target of 100% rail electrification in March 2022?	
	A) Eastern Railway	C) Central Railway
	B) Northern Railway	D) Konkan Railway
84.	Which city will get India's first bullet train station?	
	A) Baruch	C) Surat
	B) Vaapi	D) Bilimora
85.	Jhansi Railway Station has been renamed as what?	
	A) Lakshmi Bhai Railway station	C) Rani Lakshmi Bhai Railway station
	B) Gangadhar Rao Railway station	D) Veerangana Lakshmi Bhai Railway station
86.	India's first train with AC-3 Economy class Gati Shakti Express run between ____ & ____	
	A) Delhi and Mumbai	C) Delhi and Srinagar
	B) Delhi and Patna	D) Delhi and Ahmadabad
87.	Railways operated two long haul freight trains "Trishul" and "Garuda" for first time over ____	
	A) North eastern Railway	C) South Central Railway
	B) North Western Railway	D) North Front Railway
88.	Indian Railways opens first "Movable Freshwater Tunnel Aquarium" at which railway station?	
	A) Bangalore	C) Lucknow
	B) Ludhiana	D) Hyderabad
89.	Which institute has been declared as India's first Standard Development Organization (SDO)	
	A) NCL	C) CSIO
	B) DRDL	D) RDSO
90.	What is the name of the most powerful electric locomotive operated by Indian Railway?	
	A) IBIHAR	C) FASTIN
	B) WAG360	D) WAG12B
91.	The 1 st Oxygen Express train was run between which two cities?	
	A) Visakhapatnam to Nasik	C) Chennai to Delhi
	B) Gandhinagar to Lucknow	D) Bhopal to Ajmir

92.	Which has become the first fully electrified railway zone in the country?	
	A) North Eastern Railway	C) South Central Railway
	B) North Central Railway	D) West Central Railway
93.	Which is the worlds highest railway bridge being construct by Indian railways?	
	A) Chenab bridge	C) Bogiebil bridge
	B) Vivekanand sethu	D) Ghubri phoolbody bridge
94.	The new train named Mithali Express was inaugurated between India and which country?	
	A) Srilanka	C) Mayanmar
	B) Bangladesh	D) Pakisthan
95.	Which help line issued by Indian Railways for quick grievance redressel and inquiry Of passengers?	
	A) 111	C) 121
	B) 125	D) 139
96.	How many days of LHAP in a year, can be credited to an employee?	
	A) 20 days	C) 30 days
	B) 10 days	D) 12 days
97.	How many days of LAP in calendar year, a permanent /temporary railway servant shall be Entitled to get?	
	A) 45 days	C) 30 days
	B) 10 days	D) 15 days
98.	A female railway employee shall be entitled to Maternity leave for _____	
	A) 365 days	C) 90 days
	B) 120 days	D) 180 days
99.	Maximum days of leave an average pay that can be accumulated is _____	
	A) 120 days	C) 300 days
	B) 180 days	D) 240 days
100.	LAP shall be credited to the railway servant at the rate of _____	
	A) 2 1/2 days per month	C)) 2 days per month
	B)) 3 days per month	D)) 1 1/2 days per month
101.	How many days of LHAP cab be accumulated to an employee in his service life ____	
	A) 240 days	C) 300 days
	B) 360 days	D) Unlimited days
102.	A male railway servant may be granted Paternity leave having surviving children ____	
	A) less than 2	C) 3
	B) 1	D) No limit
103.	Which of the following category is entitled for Hospital leave?	

	A) Group A	C) Group C
	B) Group B	D) Group D
104.	When no leave is admissible under any other rule ,the leave granted is known as?	
	A) LAP	C) SPL Leave
	B) LHAP	D) Extra ordinary leave
105.	Who is the authority to sanction Special Disability Leave	
	A) Senior Scale Officer	C)ADRM
	B) JA grade Officer	D) DRM
106.	What is the maximum period of Leave on Average pay at time that a Railway servant May be granted?	
	A) 240 days	C)300 days
	B) 120 days	D) 180 days
107.	What is the maximum limit of Leave not due that may be granted to a permanent Railway servant during his entire service period?	
	A) 360 days	C)300 days
	B) 240 days	D) Un limited days
108.	Within which period,Paternalty leave can be granted?	
	A) 6 months	C) 12 months
	B) 4 months	D)10 Days
109.	Special Disability leave on average pay granted for Accident On duty shall not exceed----	
	A) 240 days	C)360 days
	B) 120 days	D) 280 days
110.	What is Quarantine leave?	
	A)With drawn	C) For eye disease
	B) Admissible in critical diseases	D) Self sickness
111.	Commutated leave admissible on_____	
	A) Medical certificate	C) Discretion of competent authority
	B) Request of an employee	D) None
112.	A Railwayman shall be granted leave of any kind for a continuous period of not exceeding.	
	A) 3 Years	C) 5 Years
	B) 4 Years	D) No limit
113.	Maximum of Study leave that can be granted to an employee during his entire service Period is _____	
	A)36 Months	C) 24 Months
	B) 12 Months	D) 30 Months
114.	Who is the Authority to grant Study leave abroad?	
	A) GM	C) CPO

	B) DRM	D) Railway Board
115.	Including dependents how many members to be included in privilege pass?	
	A) 5 members	C) 3 members
	B) 2 members	D) 4 members
116.	In the case of Sun,till what age can the parent be included in school pass?	
	A)Up to 12 years	C) Up to 15 years
	B) Up to 18 years	D) Up to 21 years
117.	What is the maximum number of Privilege pass given to an officer?	
	A) 6 Full sets	C)) 4 Full sets
	B)) 5 Full sets	D) 3 Full sets
118.	What percentage of the running allowance is calculated for running staff for First Class Pass eligibility?	
	A) 30 %	C) 10%
	B) 20%	D) 15%
119.	What is period of validity for return trip on privilege ticket order?	
	A)2 Months	C) 4 Months
	B) 5 Months	D) 3 Months
120.	How many dependents can be included in privilege pass?	
	A) Maximum 4	C) Maximum 2
	B) Maximum 3	D) Maximum 1
121.	What is the colour of pass given to officers?	
	A) White	C) Green
	B) Yellow	D) Pink
122.	After completion of 5 years service Group "D " employees are eligible for _____ sets Of privilege passes?	
	A)1 Set	C) 3 Sets
	B) 2 Sets	D) 4 Sets
123.	DRM is eligible for _____ metal token?	
	A) GOLD	C) PLATINUM
	B) SILVER	D) BRONZE
124.	_____ No.of School check pass are issued for year?	
	A) 3 sets	C) 5 sets
	B) 4 sets	D) 6 sets
125.	What is the colour of First class pass?	
	A)Pink	C) Yellow
	B) White	D) Green

126.	How many days in advance can a privilege pass of next year be issued?	
	A) Maximum 90 days	C) Maximum 150 days
	B) Maximum 120 days	D) Maximum 180 days
127.	How many years of Railway service is required to obtain a post retirement complimentary Pass?	
	A) 15 Years	C) 20 Years
	B) 18 Years	D) 25 Years
128.	What does P.T.O stands for?	
	A) Produce to order	C) Pre trail order
	B) Privilege ticket order	D) Please turn over
129.	What is P.R.C pass stands for?	
	A) Post retirement complete pass	C) Post retirement complimentary pass
	B) Post retirement casual pass	D) Post retirement commercial pass
130.	What is the meaning of half- set pass?	
	A) Travel from one side	C) Both A& B
	B) Travel from both sides	D) None
131.	What is the colour of the second class A pass form?	
	A)Blue	C) Green
	B) Pink	D) Yellow
132.	What is the colour of the second class pass form?	
	A)Blue	C) Green
	B) Pink	D) Yellow
DIESEL LOCOS		
133.	How many position setting of C3W distributor valve has_____?	
	A) 2 Position setting	C) 3 Position setting
	B) 1 Position setting	D) None
134.	How many braking positions of A-9 vavle have?	
	A)05 braking positions	C) 03 braking positions
	B) 04 braking positions	D) 01 braking positions
135.	Duplex check valve operates when MR pressure reaches at pressure_____ Kg/cm2?	
	A) 5	C)Always open
	B) 6	D) 10
136.	R-6 relay valve is fitted in Loco for?	
	A) Quick MR charging	C) Bypassing AFMV
	B) Quick working of AFMV	D) Quick MR discharging

137.	In automatic switching on flasher light modification of Locos the TDR (Time delay relay) Is set at _____ sec?	
	A) 40 Sec	C) 60 Sec
	B) 15 Sec	D) 120 Sec
138.	The standard colour of Humidity indicator in Air dryer is?	
	A) Orange	C) Blue
	B) Purple	D) White
139.	MR safety valve is set at pressure (in kg/cm ²)?	
	A) 10	C) Above 10.5
	B) 6	D) Below 6.0
140.	Auto drain valve blows during ?	
	A) Loading of Compressors	C) When MR safety valve blows
	B) Un Loading of Compressors	D) MR pressure is above 10.5 kg/cm ²
141.	In minimum reduction position of A-9 brake valve BP should drop up to (PSI)?	
	A) 0 to 3 PSI	C) 8 to 11 PSI
	B) 4 to 7 PSI	D) 12 to 15 PSI
142.	How many number of positions MU2B valve having _____?	
	A) ONE	C) THREE
	B) TWO	D) FOUR
143.	Calibration of Air Flow Measuring Valve is adjusted at which wagon reading?	
	A) 80	C) 100
	B) 90	D) 110
144.	MR pressure out let pipe of Air Flow Measuring valve goes to ?	
	A) C2 relay valve	C) A-9 brake valve
	B) Add. C2 relay valve	D) SA-9 brake valve
145.	Air supply to power contactor is from _____?	
	A) MR1	C) BP
	B) MR2	D) HS-4
146.	In which position of A-9 brake valve, its vent valve operates?	
	A) Minimum reduction position	C) Over reduction position
	B) Full service position	D) Emergency position
147.	During which stroke both valves closed?	
	A) Suction	C) Power
	B) Compression	D) Exhaust
148.	How many teeth are in split gear?	
	A) 28	C) 34

	B) 30	D) 36
149.	In WDP-2 Loco, which type of lubrication system is used?	
	A) Splash Type	C) Self lubricated
	B) Forced feed	D) None of the above
150.	How many cam lobes are in one cam segment?	
	A) 3	C) 6
	B) 4	D) 9
151.	Water pump is driven from _____	
	A) Split gear	C) Extension shaft gear
	B) Cam gear	D) Main generator gear
152.	What is the BHP of WDM-2 loco?	
	A) 2300	C) 2600
	B) 2400	D) 3100
153.	What is the BHP of WDP-1 Loco?	
	A) 2300	C) 2600
	B) 2000	D) 2400
154.	Honey combing is related with _____	
	A) Cylinder head	C) Liner
	B) Piston	D) Connecting rod
155.	ALCO TSC Rotor side what is the material of oil seal?	
	A) Aluminium	C) Brass seal
	B) Rubber seal	D) Carbon seal
156.	GE governor is operated _____	
	A) Mechanically	C) Pneumatically
	B) Hydraulically	D) None of the above
157.	Hammering sound coming from Engine is due to _____	
	A) Exhaust valve bend	C) X-head roller worn out
	B) Fuel cam worn out	D) Any one of the above
158.	What is the unit of S.F.C (Specific Fuel Consumption)?	
	A) gm/hp/hr	C) kg/Newton/hr
	B) Liters/Kwhr/minutes	D) None
159.	Which item increases the copper content in lube oil?	
	A) Piston wear	C) X-head floating bush wear
	B) Liner wear	D) Silicon
160.	In WDP-2 how many no.s of cam bushes fitted are in blocks?	

	A)10 no.s	C) 15 no.s
	B)18 no.s	D) 20 no.s
161.	Which of the following is the reason of Hot engine?	
	A) ETS setting defective	C) Radiator fins choked
	B) Radiator fan not working	D) All of the above
162.	Which of the following is not the safety item of Locomotive?	
	A) OST	C) Governor
	B) LWS	D) ACP
163.	Which of the following is prime mover?	
	A)Engine	C) traction Motor
	B) Traction Generator	D) None of the above
164.	In scavenging period burnt gases are pushed out by_____	
	A) Fresh air	C) By TSC
	B) By Burnt Gases	D) None of the above
165.	Engine given thick black smoke due to _____	
	A) Low BAP	C) Defective CCE motor
	B) Less Fuel Oil level	D) Defective Manifold
166.	Out of which Safety device Engine comes to Idle_____	
	A) OST	C) ACP
	B) LWS	D) Low Lube oil indication
UNDER TRUCK		
167.	The device used to transmit loco speed from wheels to the speedometer is called_____	
	A) Tacho Generator	C) Axle Generator
	B) Auxiliary Generator	D) Main Generator
168.	Traction motor load is transferred on Bogie frame through_____	
	A) Main Journal	C) Axle Box
	B) Suspension Nose	D) Helical Coil spring
169.	Height of side Buffer should be maintained between_____to _____mm.	
	A)1105mm to 1030 mm	C) 1150 mm to 900 mm
	B) 1150 mm to 1000 mm	D) 1105 mm to 800 mm
108.	Minimum distance between Brake block and Wheel in release position should be_____	
	A) 5mm	C) 15mm
	B) 10mm	D) 20mm
170.	No. Of Pinion teeth in GE-752 TM is _____	
	A) 15	C) 17

	B) 16	D) 18
171.	Axle load of WDP-2 Loco is _____	
	A) 17.5 T	C) 19.5 T
	B) 18.5 T	D) 20.5 T
172.	Vertical clearance between Bolster and Bogie frame in WDP-2 loco should be _____	
	A) 20 mm	C) 30 mm
	B) 25 mm	D) 35 mm
173.	To transfer traction and braking forces between Bogie frame and Bolster in WDP-2 Loco, bogie is provided with _____	
	A) Guide Link	C) Damper
	B) Traction bar	D) Axle box
174.	Expanded form of TBU is _____	
	A) Truck Brake Unit	C) Terminal Brake Unit
	B) Tread Brake Unit	D) Thread Brake Unit
175.	Silent block flexible bearings are used in _____	
	A) Traction Bar	C) Traction Motor
	B) Guide Link	D) Suspension Tube
176.	When OPS drops or LLOB trips ,the engine will _____	
	A) Raise	C) Shut down
	B) Comes to idle	D) Hunting
177.	The exhaust manifold is connected to _____ part of the TSC.	
	A) Gas inlet casing	C) Turbine casing
	B) Intermediate casing	D) Blower casing
178.	How many power contactors are available in aWDG-4 Loco.	
	A) 7	C) 9
	B) 8	D) 0
179.	The run down test of NAPIER Turbo is to be conducted on _____ notch.	
	A) Idle	C) 6
	B) 4	D) 2
180.	Hot engine alarm (HEA) will come at _____ degrees centigrade in WDG-3A locos.	
	A) 60	C) 90
	B) 70	D) 80
181.	Lube oil dip stick gauge of WDG-3A is having _____ liters capacity?	
	A) 400	C) 600
	B) 380	D) 500

182.	Reduction in BP pressure causes_____	
	A) Brakes release	C) Brakes application
	B) Brakes slow release	D) MR pressure increasing
183.	WDG-4 engine idle RPM_____	
	A)469	C) 269
	B) 369	D) 360
184.	In WDG-4 Locos Lube oil cooler is located in_____	
	A) Radiator room	C) Generator room
	B)Expressor room	D)Under truck
185.	In WDG-3A Locos $\frac{3}{4}$ " Coc (BP COC) is located?	
	A) Nose compartment	C) Short hood control stand
	B) Lp Cab	D) None of the above
186.	In WDG-4 Loco HP input to Traction motors is _____	
	A)4000	C) 3100
	B) 3726	D) 3900
187.	The conventional electronic type excitation system is replaced with _____ in new Locos.	
	A) Microprocessor control	C) Shunt type
	B) Static type	D) Self excitation
188.	In WDG-4 power contactors are replaced with _____	
	A) FS contactors	C) BKT/REV
	B) Only relays	D) DC link
189.	In WDG-4 (ECS) isolation switch is having _____ no.of positions.	
	A)1	C)3
	B) 2	D) 4
190.	While on run if Air flow meter shoots up with jerk mean_____	
	A) Defect	C) Spring broken
	B) Parting takes place	D) Moisture in Air
191.	WDM-2 expressor is having_____ couplings.	
	A) Fast and flexible	C) ABC and Fast
	B) CBC and Baby	D) Universal and flexible
192.	Excess brake cylinder pressure can cause _____	
	A)Quick speed dropping	C) Wheel skidding
	B) Train brakes not required	D) Dynamic brake not necessary
193.	ECC coil get supply through breaker_____	
	A) FPB	C) MCB

	B) CCEB	D) MFPB
194.	In Fuel oil system _____ type of filters are used?	
	A) Socks type	C) Mesh type
	B) Foam type	D) Paper type
195.	On WDM-2 while working with full load on raising gradient _____ liters of fuel will Be consumed for an hour?	
	A) 1000	C) 380
	B) 400	D) 480
196.	In WDM-2 Fuel glow rod gauge scale measure in _____ liters?	
	A) 600 to 5000	C) 800 to 5000
	B) 540 to 5000	D) 1000 to 5000
197.	The only Loco provided with two dip sticks gauges on either side of the engine block To measure Lube oil is _____	
	A) WDM-2A	C) WDP-4
	B) WDG-3A	D) WDG-4
198.	Breather valve provided on _____	
	A) Governor	C) Expressor
	B) Lp Cab	D) Main generator
199.	The normal position of flasher light is _____	
	A) ON	C) Both A&B
	B) OFF	D) None of the above
200.	When Flasher light is switch ON _____ colour light will glow.	
	A) RED	C) YELLOW
	B) GREEN	D) AMBER
201.	Flasher light can be switched ON _____ occasions.	
	A) While taking over charge of Loco	C) During Day/Night time
	B) During emergency	D) Both A&B
202.	Which type of bulb is provided on Head light?	
	A) Neon	C) Incandescent
	B) Halogen	D) Mercury
203.	When head light is switch ON the minimum focusing distance is _____ meters.?	
	A) 100	C) 2000
	B) 1000	D) 250 and above
204.	Eddy current clutch is located in _____	
	A) Nose compartment	C) Compressor room
	B) Control compartment	D) Radiator room

205.	LLOB provided in _____ Governor Loco.	
	A) MCBG	C) WOOD WARD
	B) GE	D) NONE
206.	In ALCO Locos turbo super charger (TSC) is driven by _____	
	A) Gears	C) Exhaust gas
	B) Motor	D) Clutch
207.	Fuel oil tank capacity in WDG-3A Loco motive is _____ liters.	
	A)5000	C) 3000
	B) 6000	D) 4000
208.	In WDM-3A fuel oil primary filter is located in _____	
	A) Compressor room	C) Radiator room
	B) Engine room	D) Under truck
209.	In WDM-3A fuel pump motor is located in _____	
	A) Engine room	C) Compressor room
	B) Radiator room	D) Under truck
210.	Working of Compressor Lube oil pump is indicated by _____	
	A)Breather vave	C) Spy glass
	B) Projection of Brass spindle	D) Sight glass
211.	Feed pipe is getting charged by _____ valve.	
	A) C2W realy	C) C2N
	B) F1 selector	D) C2WDB
212.	The super charged air in the air manifold is called _____	
	A) BAP	C) FP
	B) CAP	D) BP
213.	What is the safety device provided in the LUBE oil system _____	
	A)GFOLR	C) LLOB
	B) OSTA	D) LWS
214.	When LLOB trips, the engine will _____	
	A) Raise	C) Comes to IDLE
	B) Shutdown	D) Hunting
215.	MR cooling coils in WDG-4 is located at _____	
	A) Under truck	C) Radiator room
	B) Engine block	D) Compressor room
216.	Cooling water capacity in WDM-3A Locomotive is _____ liters.	
	A)900	C) 1300

	B) 910	D) 1210
217.	In WDM-3A engine ,the water pump is driven by _____	
	A) Motor	C) Gear
	B) Pulley	D) Belts
218.	When head light become defective speed of the train shall not exceed_____ kmph.	
	A) 20	C)40
	B) 30	D) 50
219.	During night when head light is not glowing switch ON _____ light and work further With 40 kmph.	
	A)Cab lights	C)Red marker lights
	B) Flasher light	D) White marker lights
220.	For engine cranking what should be MUSD and ECS position?	
	A) RUN, RUN	C) STOP,RUN
	B) RUN, IDLE	D) STOP, IDLE
221.	When does AFL system operate?	
	A) D-1 emergency	C) GUARD brake application
	B) ACP	D) All of the above
222.	Which item is used to reset AFL?	
	A)SW-1& SW-2	C) MCB-1 & MCB-2
	B) SP-1& SP-2	D) MFPB-1 & MFPB-2
223.	BP pressure in ALCO Locomotive is _____kg/cm2	
	A) 3.5	C) 6
	B) 5	D) 8
224.	HP of WDG-3A Loco is _____	
	A) 2600	C) 3100
	B) 3600	D) 4000
225.	Type of transmission in WDM-3 A is _____	
	A)DC-AC	C) DC-DC
	B) AC-DC	D) AC-AC
226.	In ALCO locos battery knife switch is located in _____	
	A) Nose compartment	C) Compressor compartment
	B) Driver cab	D) radiator room
227.	Type of engine in ALCO Loco is _____	
	A) TWO stroke	C) 4 Stroke
	B) SI	D) None

228.	In WDG-3A the loco compression ratio is _____	
	A) 12.5 : 1	C) 11.75 : 1
	B) 15 : 1	D) 16 : 1
229.	In AC-DC Locomotives engine is cranked by _____	
	A) Main Generator	C) Exciter Generator
	B) Auxiliary Generator	D) Auxiliary & Exciter Generator
230.	The safety device provided in Air brake system is _____	
	A) LLOB	C) LWS
	B) PCS-2	D) OSTA
231.	Recifier converts _____	
	A) AC to DC	C) DC to DC
	B) DC to AC	D) AC to AC
232.	Inverter converts _____	
	A) AC to DC	C) DC to DC
	B) DC to AC	D) AC to AC
233.	Idle RPM of WDG-3A Locomotive is _____	
	A) 350	C) 450
	B) 400	D) 500
234.	Fabricated bogie is available in _____ Locomotive.	
	A) WDM-3A	C) WDG-3A
	B) WDG-4	D) WDP-4
235.	Type of bogie is available in ALCO Loco _____	
	A) BO-BO	C) BO1-1 BO
	B) CO-CO	D) HTSC
236.	HP of WDM-3D Locomotive is _____	
	A) 2600	C) 3300
	B) 3100	D) 4000
237.	On WDG-3A each truck is fitted with _____ arrangement of Traction motors.	
	A) LLR	C) LRL
	B) LRR	D) LLL & RRR
238.	In twin beam head lights _____ volts Halogen lamps are used.	
	A) 72	C) 24
	B) 32	D) 20
239.	_____ brake is applied during dead condition of Loco.	
	A) Loco brakes	C) Dynamic brake
	B) Hand brake	D) None of the above

240.	In Diesel Locos _____ types of hand brakes are provided?	
	A) Ratchet type	C) Wheel type
	B) Valve type	D) Both A&C
241.	In Diesel Locos, Horns are operated from _____	
	A) MR-1	C) MR equalizing
	B) MR-2	D) None
242.	In Diesel Locos, Wipers are operated from _____	
	A) MR-1	C) MR equalizing
	B) MR-2	D) None
243.	In WDM-3A Axle boxes are lubricated by _____	
	A) Lube oil	C) Soft grease
	B) Cardium compound	D) Hard grease
244.	_____ type of Bogie is provided in WDM-3A Locomotive.	
	A) CO-CO tri mount bogie	C) CO-CO flexi coil bogie
	B) CO-CO tetra mount high adhesion	D) BO-BO tri mount bogie
245.	_____ type of Bogie is provided in WDG-3A Locomotive.	
	A) CO-CO tri mount bogie	C) CO-CO flexi coil bogie
	B) CO-CO tetra mount high adhesion	D) BO-BO tri mount bogie
246.	Gear case of ALCO locomotive is lubricated is _____	
	A) Lube oil	C) Hard grease
	B) Soft grease	D) Cardium compound
247.	_____ type of Fire Extinguishers is provided in Diesel Locos.	
	A) FOAM	C) WATER
	B) DCP	D) CO2
248.	No. Of Fire Extinguishers provided in Diesel / AC locos?	
	A) 2	C) 4
	B) 3	D) 1
249.	Axle Load of WDG-4 Locomotive is _____	
	A) 20.5 T	C) 25 T
	B) 22.5 T	D) 19.5 T
250.	How many No. Of batteries in WDP-4 locomotive?	
	A) 8	C) 4
	B) 10	D) 6
251.	What is the fuel oil tank capacity in WDP-4D locomotive in liters?	
	A) 6000	C) 3000

	B) 5000	D) 5500
252.	Pinion to Bull gear ratio in WDP-4 loco is _____	
	A)18:74	C) 17:77
	B) 18:65	D) 17:90
253.	Pinion to Bull gear ratio in WDG-4 loco is _____	
	A)18:74	C) 17:77
	B) 18:65	D) 17:90
254.	Type of Bogie available in WDG-4 Locomotive is?	
	A) Fabricated	C)HTSC
	B) Tri mount	D) None
255.	Maximum speed of WDG-4 Locomotive in KMPH?	
	A)100	C) 160
	B)150	D) 180
256.	Maximum speed of WDP-4 Locomotive in KMPH?	
	A)100	C) 160
	B)150	D) 180
257.	Type of Diesel engine in WDG-4 Locomotive?	
	A) 4-Stroke	C) 3-Stroke
	B) 2-Stroke	D) SI
258.	Type of traction motors in HHP locomotive?	
	A) AC motors	C) Both A&B
	B) DC motors	D) None
259.	Full RPM of WDG-4 Locomotive?	
	A) 1050	C) 954
	B) 1000	D) 1100
260.	Number of Engine cylinders in HHP Loco?	
	A) 8	C) 16
	B) 12	D) 20
LOCOS SAFETY		
261.	Which of the following is LOCO safety item?	
	A) Corridor Light	C) Foot Plate
	B) Corridor door	D) Look Out Glass
262.	In AC / Diesel locos ,the safety item related with under truck.	
	A) Cattle guard	C) Airdriyer
	B) Rail guard	D) All of the above

263.	In AC/Diesel Locos, to secure the Loco _____ will be given.	
	A) Wooden wedges	C) Hand brake
	B) Fire extinguishers	D) A&C
264.	In AC/Diesel locos, to protect the loco from bumping _____ is given.	
	A) Cattle guard	C) Buffers
	B) Rail guard	D) CBC
265.	In AC/Diesel Locos ,to couple or un couple _____ is provided.	
	A) CBC coupling	C) Both A&B
	B) TS coupling	D) None
266.	In AC/Diesel Locos, to keep alertness of LP/ALP _____ safety device is provided.	
	A) Speedo meter	C) Head light
	B) Vigilance control device	D) Flasher light
267.	In AC/Diesel Locos,to know the speed _____ safety device is provided.	
	A)Ammeter	C) Speedo meter
	B) Volt meter	D) Notch indicator
268.	In AC/Diesel Locos ,to protect the control circuits _____ is provided.	
	A) MCB	C)CB
	B) Fuse	D) A&B
269.	In AC/Diesel Locos ,to protect the Loco from animals _____ is provided.	
	A) Rail Guard	C) CBC
	B) Cattle Guard	D) Buffer
270.	In AC/Diesel Locos ,to protect the Loco from obstruction on Rails_____ is provided.	
	A) Rail Guard	C) CBC
	B) Cattle Guard	D) Buffer
ELECTRIC LOCOS		
271.	Safety Relays are _____ type relays	
	A) All DI type	C) All DU Type
	B) Some DU and some DI type	D) All DU and DI type
272.	The resistance of a conductor is Indirectly proportional to _____	
	A) Length	C) Specific Resistance
	B) Area of cross section	D) Density
273.	Formula for Electric power is _____	
	A) $P=V/I$	C) $P=VI$
	B) $P=I/V$	D) None

274.	The SI unit of resistance is _____	
	A) Ohm	C) Watt
	B) Joule	D) Newton
275.	The obstruction offered by material of conductor to the passage of electric current is known as _____	
	A) Resistance	C) Inductance
	B) Conductance	D) All of the above
276.	The rate of flow of electric charge is known as _____	
	A) Electric current	C) Electrical conductor
	B) Electric conductance	D) Electric potential
277.	Out of the following which is an insulating material?	
	A) Gold	C) Silver
	B) Paper	D) Copper
278.	Ohm's Law is not applicable to	
	A) Vacuum tubes	C) High voltage circuits
	B) carbon resistors	D) Circuits with low current densities
279.	The rating of a fuse wire is always expressed in	
	A) Ampere-hours	C) kWh
	B) Ampere-volt	D) Amperes
280.	Transformer ratings are given in _____	
	A) KVA	C) KVAR
	B) HP	D) KW
281.	Hydrometer is used for measuring _____	
	A) Level of electrolyte in BA	C) Specific gravity of electrolyte
	B) Total charge stored in BS	D) Terminal voltage of BA
282.	Sand is used in Locomotives to avoid- _____	
	A) Wheel skidding	C) Brake failure
	B) Wheel slipping	D) All of the above
283.	Current is collected from OHE to AC loco through _____	
	A) Transformer	C) Pantograph
	B) Circuit breaker	D) Servo motor
284.	The speed control method used in AC locomotive is	
	A) Voltage control	C) Rheostatic control
	B) Current control	D) Regenerative control
285.	Shunting contactors are provided in the loco for the purpose	
	A) Increasing the speed	C) To stabilize the speed

	B) To decrease the speed	D) To stop the train
286.	The type of Electrical braking system used in AC locomotive is	
	A) Regenerative	C) Both
	B) Rheostatic	D) None
287.	During Rheostatic braking, traction motor works as a _____	
	A) Generator	C) Motor
	B) Converter	D) Inverter
288.	In AC Loco the main transformer winding is known as	
	A) TFWA	C) TPC-1
	B) TFWR	D) TPC-2
289.	In AC Loco, Main transformer is connected with _____ no. of tappings.	
	A) 30	C) 32
	B) 31	D) 28
290.	In WAG-5 locos, the capacity of transformer provided is _____ KVA	
	A) 5400	C) 6000
	B) 5000	D) 3900
291.	In WAG-7 / WAP-4 locos, the capacity of transformers provided is _____ KVA	
	A) 5400	C) 6000
	B) 5000	D) 3900
292.	The minimum Battery voltage is required for energisation of AC locos is _____	
	A) 72V	C) 92V
	B) 90V	D) 85V
293.	No. of Battery boxes provided in AC loco are?	
	A) 2	C) 4
	B) 3	D) 5
294.	In AC locos _____ type of Traction motors are provided.	
	A) TAO	C) TAOCHI
	B) HITACHI	D) All of the above
295.	In AC conventional locos _____ no of Traction motors are provided.	
	A) 4	C) 6
	B) 5	D) 8
296.	In AC locos Auxiliary motors are getting supply through _____	
	A) ARNO	C) SIV
	B) RSI	D) ARNO & SIV
297.	To protect the Auxiliary power circuit from No/ Low voltage _____ relay is provided.	

	A) Q 20	C) Q 100
	B) Q 30	D) Q 118
298.	To protect the Auxiliary power circuit from Earth fault _____ relay is provided.	
	A) QLM	C) QOA
	B) QCVAR	D) QLA
299.	To protect the Auxiliary power circuit from Over current _____ relay is provided.	
	A) QLM	C) QOA
	B) QCVAR	D) QLA
300.	To protect the Feeding power circuit from Over current _____ relay is provided.	
	A) QLM	C) QLA
	B) QRSI-1	D) QRSI-2
301.	In AC loco the Main circuit breaker DJ is provided on _____	
	A) In Motor chest -2	C) On loco roof
	B) In Motor chest -2	D) In Motor chest -2
302.	In AC conventional locos the maximum Traction motor voltage given is _____ -	
	A) 650 V	C) 700 V
	B) 750 V	D) 850 V
303.	In AC loco the output of RSI unit is given to _____	
	A) Auxiliary motors	C) MCPA
	B) Traction motors	D) NONE
304.	In WAP-4 /WAG-7 locos _____ type of traction motors are provided.	
	A) TAO	C) TAOCHI
	B) HITACHI	D) All of the above
305.	In WAM-4 /WAG-5 locos _____ type of traction motors are provided.	
	A) TAO	C) TAOCHI
	B) HITACHI	D) All of the above
306.	In Conventional locos _____ type of traction motors are provided	
	A) DC Shunt motors	C) AC motors
	B) DC Series motors	D) DC compound motor
307.	Which type of traction motor is used in WAG-9/WAP-7/WAP-5 locos	
	A) DC Shunt motors	C) AC induction motors
	B) DC Series motors	D) DC compound motor
308.	In conventional locos, TM cables are	
	A) A & H	C) R Y B
	B) E & F	D) A & B

309.	In conventional locos, the TMs are mounted on _____	
	A) Resilient blocks	C) Springs
	B) Nose pad	D) Dampers
310.	In 3-phase locos, the TMs are secured with _____	
	A) Traction Motor fixing plate	C) Safety slings
	B) Torque arm with bolts	D) All of the above
311.	The gear ratio of WAG-5 locomotive is	
	A) 16:65	C) 23:58
	B) 21:58	D) 15:62
312.	The gear ratio of WAG-7 locomotive is	
	A) 21:58	C) 16:65
	B) 18:64	D) B & C
313.	In 3-phase locos, the TE/BE forces are transferred through	
	A) Wheelset guide rod	C) Traction links
	B) Helical springs	D) Dampers
314.	In 3-phase locos, the HP of WAP-9 loco is	
	A) 6120	C) 6000
	B) 5440	D) 6500
315.	In 3-phase locos, the HP of WAP-7 loco is	
	A) 6120	A) 6000
	B) 5440	B) 6500
316.	In 3-phase locos, primary suspension provided items are _____	
	A) Helical springs	C) Wheel set guide rod
	B) Dampers	D) All of the above
317.	In _____ type of loco, bogie-oil points are provided	
	A) WAG-7	C) WAG-5
	B) WAP-4	D) WAG-9
318.	In WAG-5 locos, which type of bogies are provided?	
	A) Co-Co flexi coil	C) Co-Co Tetra mount high adhesion
	B) Co-Co Tri mount	D) Bo-Bo flexi coil
319.	In WAG-7 locos, which type of bogies are provided?	
	A) Co-Co flexi coil	C) Co-Co Tetra mount high adhesion
	B) Co-Co Tri mount	D) Bo-Bo flexi coil
320.	In WAP-4 locos, which type of bogies are provided?	
	A) Co-Co flexi coil	C) Co-Co Tetra mount high adhesion
	B) Co-Co Tri mount	D) Bo-Bo flexi coil

321.	In WAG-9/WAP-7 locos, which type of bogies are provided?	
	A) Co-Co flexi coil	C) Co-Co Tetra mount high adhesion
	B) Co-Co Tri mount	D) Bo-Bo flexi coil
322.	In WAP-5 locos, which type of bogies are provided?	
	A) Co-Co flexi coil	C) Co-Co Tetra mount high adhesion
	B) Co-Co Tri mount	D) Bo-Bo flexi coil
323.	In WAG-5 locos, in each bogie the load will be transmitted through	
	A) 1 Side bearer	C) 2 Side bearers
	B) Centre pivot	D) B & C
324.	In WAG-7 locos, in each bogie the load will be transmitted through	
	A) 2 Side bearers	C) 4 Side bearers
	B) 3 Side bearers	D) Centre pivot
325.	In WAP-4 locos, on secondary suspension _____ is provided	
	A) Helical springs	C) H-type bolster
	B) Dampers	D) A & C
326.	In AC locos, normally which pantograph is raised for working?	
	A) Front panto	C) Both pantos
	B) Rear panto	D) None
327.	For raising of panto _____ remote control switch is operated	
	A) BL	C) MPS
	B) MPJ	D) ZPT
328.	Panto-electro valve is	
	A) VESA	C) VEPT
	B) VEAD	D) VEUL
329.	_____ part of the panto touches the OHE wire	
	A) Servo motor	C) Panto pan
	B) Raising springs	D) thrust rod
330.	In conventional locos, _____ no of compressors are provided	
	A) 1	C) 4
	B) 3	D) 5
331.	The purpose of the main compressor is to	
	A) create RS pressure	C) Both A & B
	B) create MR pressure	D) None of the above
332.	In AC Loco the taps can be connected by operating _____	
	A) MP operation	C) Manual operation

	B) EEC operation	D) All of the above
333.	Auxiliary control circuit is protected by _____ Fuse	
	A) CCPT	C)CCA
	B) CCDJ	D) CCLSA
328.	In conventional loco Auxiliary/Line voltage is indicated through _____ meter?	
	A) U1	C)UBA
	B) U5	D) UA
329.	The type of main transformer provided in conventional Locos is_____?	
	A) Current transformer	C) Auto transformer
	B) Step up transformer	D) Step down tranformer
327.	ARNO is _____ type of auxiliary motor?	
	A) Single phase AC motor	C) DC motor
	B) 3 phase AC motor	D) None of the above
328.	ARNO works as _____	
	A) Inverter	C) Rectifier
	B)Single Phase to 3 phase converter	D) Inductor
329.	Location of ARNO in conventional Loco is_____	
	A) Motor chest-1	C) Motor chest-2
	B) HT-1 compartment	D) HT-3 compartment
327.	Auxiliary protection relay is _____	
	A) Q118	C) Q100
	B) Q119	D) QCVAR
328.	When tap changes, it can be indicated through _____ meter in conventional locos?	
	A) Ammeter	C) Notch repeater
	B) UA meter	D) None of the above
329.	In conventional locos _____ no of Line contactors are provided.	
	A) 5	C) 3
	B) 6	D) 4
330.	In Conventional locos the direction of flow of current to TM field winding is changed through_____	
	A) Reverser	C) C-145
	B) CTF	D) None of the above
331.	Three phase loco works on the principle of _____	
	A) Variable Voltage	C) Variable current
	B) Variable Frequency	D) Variable voltage and Variable Frequency

332.	In WAG-9 locos in place of hand brake _____ brake is provided.	
	A) AUTO	C) PARKING
	B) LOCO	D) ELECTRICAL
333.	In three phase locos the _____ type of batteries provided.	
	A) Lead- Acid	C) Both A & B
	B) Lithium	D) Nickle -Cadmium
334.	In three phase loco _____ no of Traction converters are provided.	
	A) 1	C) 3
	B) 2	D) 4
335.	In three phase loco _____ no of Auxiliary converters are provided.	
	A) 1	C) 3
	B) 2	D) 4
336.	In WAG-9 / WAP-7 locos _____ no of Traction motos are provided.	
	A) 4	C) 6
	B) 5	D) 8
337.	In WAP-5 locos _____ no of Traction motos are provided.	
	A) 4	C) 6
	B) 5	D) 8
338.	In Three phase locos _____ no of sub systems are provided.	
	A) 18	C) 20
	B) 19	D) 15
339.	In Three phase locos _____ type of fire extinguishers are provided.	
	A) DCP	C) CARBONDIOXIDE
	B) WATER	D) None of the above
340.	In Three phase locos the MCP's are provided in _____	
	A) Machine room 1	C) Machine room 1
	B) Inside CAB	D) In under gear between two trucks
II MATHEMATICS		
341.	Speed is equal to _____	
	A) Distance / Time	C) Distance x Time
	B) Time / Distance	D) None of the above
342.	A person crosses 600 mts long street in 5 minutes. What is his speed in Km per Hour?	
	A) 3.6	C) 8.4
	B) 7.2	D) 10.0

343.	A car is running at a speed of 108 kmph. What distance it covers in 15 sec?	
	A) 45 mts	C) Can not determined
	B) 55 mts	D) None of the above
344.	The ratio 5: 4 expressed as a percent equals to_____	
	A) 12.5 %	C) 80 %
	B) 40 %	D) 125 %
345.	45 % of 750 – 25 % of 480_____	
	A) 216	C) 236.50
	B) 217.50	D) 245
346.	What is 25 % of 25 % equal to____ + ____	
	A) 0.00625	C) 0.625
	B) 0.0625	D) 6.25
347.	Area of square with side 4 m is _____	
	A) 16 m ²	C) 22 m ²
	B) 18 m ²	D) 25m ²
348.	Perimeter of a rectangle with length 4 m and breadth 2 m	
	A) 10 m	C) 9 m
	B) 12 m	D) 10.5m
349.	The mixed fraction $7\frac{1}{9}$ as improper fraction is	
	A) $\frac{64}{9}$	C) $\frac{17}{9}$
	B) $\frac{57}{9}$	D) $\frac{63}{9}$
350.	Value of the sum of -50,-200and 300 is_____ -	
	A) -50	C)0
	B) 50	D) None of the above
351.	Value of $(-31)/((-30)+(-1)) =$ _____	
	A) 1	C)0
	B) -1	D) None of the above
352.	If a car travels 60 km in 1hrs 30 minutes, then the distance travelled by it in one hour is_____	
	A) 45 km	C) 38 km
	B) 30 km	D) 40km
353.	Angle between two sides of a square in degrees_____	
	A) 45	C) 90
	B) 60	D) 180
354.	2×10^3 is in simple form_____	
	A) 200	C) 20000
	B) 2000	D) 4000

355.	If $M=2$ then the value of $9-5M$ is	
	A) 1	C) -4
	B) -1	D) 4
356.	$5+3=34$, $7+5=74$ then what is the value of $6+3=$ _____	
	A) 45	C) 49
	B) 50	D) 62
357.	$7-2=45$, $10-3=91$ then what is the value of $8-5=$ _____	
	A) 89	C) 40
	B) 47	D) 39