



Government of India

Ministry of Railways

South Central Railway : Vijayawada Division

Divisional Railway Manager's Office, (Personnel Branch) Vijayawada-520001.

No.B/P.535/III/C&W/Tech-III/C&W/Vol.IV

Dated 06.03.2024

All Concerned

Sub: Selection to the Post of Technician Gr-III-C&W in Level-2 against 25% LDCE quota in Mechanical Department of BZA Division Reg.

Ref: This office Notification even No. dated 20.12.2023.

Further to this office notification dated 20.12.2023 above, the list of employees provisionally found **Eligible & Ineligible** for selection to the post of Technician Gr-III-C&W in Level-2 against 25% LDCE quota is enclosed as **Annexure-B**.

It is advised that :

1. At any point of selection, if it is found that any candidate is not fulfilling the eligibility conditions mentioned in the notification, their candidature will be summarily debarred.
2. The date of written test will be advised in due course & the eligible employees are hereby alerted to be in readiness to appear for the written examination.
3. The Syllabus for the written examination is now modified by the competent authority as per latest updates in Carriage and wagon department and it is enclosed as **Annexure-A** and the objective type question bank for the written examination is placed in SCR official website: <http://scr.indianrailways.gov.in> → about us → Divisions → Vijayawada Division Personnel Branch → Notifications → Click on Notifications and Office orders.
4. The selection is on Voluntary basis, there shall be NO supplementary written examination.

It is the responsibility of concerned Supervisors that all the employees listed in Annexure-B may be notified and their acknowledgement may be obtained. If any employee is on leave/training/deputation/sick or working in any other unit, intimation should be sent to their place of working/personal address and their acknowledgement should be obtained and a copy of same shall be sent to this office for record.

Encloses: Annexure-A & B and objective type quaternion bank.

(K Srinivasa Rao)
Asst. Personnel Officer/Mech.
For Sr.DPO/BZA

Digitally Signed by Konamki

Srinivasa Rao

Date: 06-03-2024 14:47:04

Reason: Approved

Copy to:

- 1) Sr.DME/BZA for information and necessary action.
- 2) DME/WD/BZA, ADME/BZA, CD/BZA & ADME/COA for information.
- 3) SSE/C&W/BTTR, GDR, OGL, CD/BZA, WD/BZA, KI, MTM, NS, RJY and COA for necessary action.
- 4) DDC/Sr.DPO/O/BZA for placing in BZA Division/SCR website.

**SYLABUS FOR THE SELECTION TO THE POST OF TECHNICIAN GR-III-Fitter IN LEVEL-2 OF
MECHANICAL-C&W DEPARTMENT AGAINST 25% LDCE QUOTA.**

1) GENERAL

- a. Metric measurements Lengths, Volume, Weight etc.
- b. General English, General Knowledge, Current Affairs.
- c. General Mathematics including Arithmetic, General Science (up to X Std.).
- d. Measurements (Length, Volume, Weight etc.) & Measuring instruments.
- e. Personal protective Equipment.
- f. Fire Fighting.
- g. First Aid and Basic life support.

2) COACHING.

- a. Introduction to Coaches-Types, Codal life, Codification of coaches etc.
- b. IC Coaches & its Bogie parts & their function, Safety & Amenity fittings in coaches.
- c. Revised Policy Circular-IV of coaching stock.
- d. CMM (Coach Maintenance Module)
- e. IRCA part IV.
- f. Various dimensions of ICF and LHB coaches.
- g. Maintenance schedules of ICF & LHB coaches.
- h. Procedure of IOH & SS-1 of coaching stock.
- i. R&D activities carried out in coaching stock.
- j. En-route failure & trouble shooting of coaching stock such as spring breakages, train parting, ACP etc.
- k. Primary, Secondary & OEM maintenance practices.
- l. Features of high-speed coaches.
- m. Working of Air brake system in ICF and LHB coaches.
- n. PEASD Function and its resetting procedure.
- o. Introduction of LHB Coaches & FIAT Bogie.
- p. Air suspension system, its advantages & trouble shooting.
- q. FIBA-working, isolation & Trouble shooting.
- r. WSP-Working principle, defect codes and troubleshooting.
- s. Wheel shelling -causes.
- t. Latest modifications in coaching stock.
- u. Various registers maintained in coaching stock.
- v. Bio Toilets, vacuum toilets, pressurized flushing toilets maintenance.
- w. Train 18 (Vande Bharat) & Train sets like DEMU, MEMU.
- x. Different types of couplers such as Screw, CBC and Shaku coupling.
- y. Draw and buffing gear.

3) FREIGHT:

- a. Introduction to different types of Wagons like BOXN, BOBRN, BCNHL, BOXNHL, BLC, BOXNS etc.
- b. Features & Codal life of different wagons.
- c. POH & ROH periodicity and ROH procedures.
- d. Transportation Codes & New Wagon Numbering System.
- e. Different Types of Bogies, Parts & their functions.
- f. Procedure of examination pattern of CCrack Premium rake and End to End rake.
- g. Salient Features CASNUB, LCCF & LWLH bogies.
- h. Procedure of ROH of Freight stock.
- i. Maintenance of BCNHL wagons and different generations of BCNHL doors and modifications.

- j. Various registers maintained in freight stock.
- k. Freight stock JPO/2023 of South Central Railway.
- l. Air Brake testing procedure of freight stock and Calculation of brake power.
- m. Knowledge on FMM and FOIS.
- n. Modified Brake system in Freight Stock.
- o. Latest development/modification in freight stock.
- p. IRCA part-III.
- q. Maintenance & Inspection of CASNUB Bogies.
- r. Door Operating Mechanism in BOBRN wagons.
- s. L/E device LSC and APM.
- t. Body panel patches in BOXN & BCNA Wagon, standard dimensions of patches.
- u. Standard & Condemn wheel diameters of different rolling stocks. Tyre defect gauge, Wheel defects.
- v. Brake Binding-Causes, Affects, Remedial Actions.
- w. Train parting-causes, Affects, Remedial Actions.
- x. Accidents-classification, Derailment mechanism, investigation.
- y. ODC, WILD, OMRS.

4) **OFFICIAL LANGUAGE:**

- a. Policy and Files.

Digitally Signed by Konamki
Srinivasa Rao

Date: 06-03-2024 14:11:21

Reason: Approved

APO/Mech.

ELIGIBILITY AND INELIGIBILITY LIST FOR SELECTION TO THE POST OF TECHNICIAN GR-III-C&W IN LEVEL-2 AGAINST 25% LDCE QUOTA IN MECHANICAL
DEPARTMENT OF BZA DIVISION.

S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
1	244IG120203	ITZZSJ	K C V RAJESWARA RAO	CDO/BZA	SSC,DME	UR	01-04-1984	24-03-2012	24-03-2012	Eligible
2	53164110157	LREGTQ	HARI KRISHNA RAKSHA	COA	SSC, Inter-HEC,B.A	OBC	08-03-1988	15-09-2011	08-06-2012	Eligible
3	244IG120348	XTUMNE	KALLEPALLI RAMA RAO	WD/BZA	SSC	OBC	12-09-1992	14-06-2012	14-06-2012	Eligible
4	244IG120390	ZTFACF	RAVI SRINIVASARAO	CDO/BZA	SSC	UR	01-08-1966	13-08-2012	13-08-2012	Eligible
5	244IG120428	MICYLS	JALLA VENKATESWARLU	OGL	SSC	OBC	01-06-1967	13-09-2012	13-09-2012	Eligible
6	244ZZ121121	PGUDSY	BALASWAMY MALLAVARAPU	CDO/BZA	B.Com, B.Ed.	SC	02-03-1969	15.11.2012	15-11-2012	Eligible
7	244IG132703	TIKKNKH	NUNE MUTYALA KRISHNA	CDO/BZA	SSC,ITI-Fitter	SC	12-11-1984	21-09-2011	28-11-2012	Eligible
8	244IG110675	RZOJBQ	G VEERA RAGHAVA RAO	CDO/BZA	SS,ITI-Fitter, Act App-Fitter	UR	24-02-1986	28-09-2011	28-11-2012	Eligible
9	244IG110674	ZSRUXI	MANGIPUDI VASU ANTHONI	CDO/BZA	SSC,ITI-Fitter	UR	05-02-1987	27-05-2011	28-11-2012	Eligible
10	244ZZ130033	DSABKI	VUPPUGANTI V S TATA RAO	NS	SSC,ITI-Diesel Mech, B.A	OBC	02-06-1981	02-01-2013	02-01-2013	Eligible
11	50714106926	HMPTXB	LALISSETTI VENKATA BHASKAR	GDR	SSC, ACT APP-Ref & Air-conditioning Mech	UR	11-02-1991	19-02-2013	16-10-2013	Eligible
12	244IG130230	DTGPXM	SHAIK ZUBAIR	CDO/BZA	SSC	UR	23-05-1993	26-03-2013	26-03-2013	Eligible
13	244IG130315	UUUPLB	LENKA SEKHAR (LD)	CDO/BZA	SSC, Inter-BiPC, B.Sc.	UR	03-08-1983	12-04-2013	12-04-2013	Eligible

ELIGIBILITY AND INELIGIBILITY LIST FOR SELECTION TO THE POST OF TECHNICIAN GR-III-C&W IN LEVEL-2 AGAINST 25% LDCE QUOTA IN MECHANICAL
DEPARTMENT OF BZA DIVISION.

S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
14	244IG130238	QWPJLQ	M.JANARDHANA RAO (VI)	WD/BZA	SSC, Inter-HEC	OBC	04-04-1977	12-04-2013	12-04-2013	Eligible
15	244IG130231	JWAFX	D LAKSHMI NARAYANA	COA	SSC, Inter-CEC, B.Sc	OBC	29-12-1984	02-04-2013	02-04-2013	Eligible
16	244IG130237	JZMMOR	SRIKAKOLAPU HARI KRISHNA	CDO/BZA	SSC,Inter- CEC,B.Com	UR	25-06-1979	15-04-2013	15-04-2013	Eligible
17	244IG130155	HSDHWT	KOLATI DHANESH	COA	SSC,ITI (Radio & TV),B.Com	OBC	11-01-1985	27-03-2013	27-03-2013	Eligible
18	244IG130682	ZKWJJW	YERRAYYA GANDUPILLI (LD)	CDO/BZA	SSC, Inter, BA, B.Ed.	OBC	06-05-1979	23-05-2013	23-05-2013	Eligible
19	244IG131765	DECOPP	POTNURU KIRAN KUMAR	COA	SSC, Inter-HEC	OBC	01-08-1982	12-07-2013	12-07-2013	Eligible
20	244IG130156	JFRYOR	D S V S KOTESWARA RAO	COA	SSC, Inter-CSC, B.Sc Com	UR	27-10-1982	29-03-2013	29-03-2013	Eligible
21	244IG130869	ZWDTBH	R.HARI PRASAD	COA	SSC,ITI-Machinist	OBC	25-07-1978	02-05-2013	02-05-2013	Eligible
22	244IG131023	QDPULA	SHAIK MAHAMMAD RAFI (LD)	CDO/BZA	SSC,BA	UR	01-06-1986	10-06-2013	10-06-2013	Eligible
23	244IG130511	UMQOMF	GOWSIYA BEGUM SHAIK	WD/BZA	Inter-MPC	UR	10-08-1979	14-05-2013	14-05-2013	Eligible
24	244IG130868	OOBKBN	P.ASHOK KUMAR	COA	SSC, Inter-MPC	OBC	30-11-1989	03-05-2013	03-05-2013	Eligible
25	244IG131486	CIYQKK	K. NAGESWARA RAO (LD)	COA	SSC, Inter-MPC, B.Sc	OBC	15-04-1984	24-06-2013	24-06-2013	Eligible
26	244IG130333	JMHPTB	DONGA PENTAYYA	NS	Inter-MPC, B.Sc, B.Ed.	OBC	24-04-1979	02-05-2013	02-05-2013	Eligible

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S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
27	244IG131386	PRCXSH	G.PUSHPAVATHI (LD)	COA	SSC, Inter-CEC,B.A	OBC	03-04-1983	10-06-2013	10-06-2013	Eligible
28	244IG130681	PKYPRF	S.APPALA SWAMI	COA	SSC,ITI-Fitter	OBC	10-04-1988	06-05-2013	06-05-2013	Eligible
29	244IG131778	XZWXGW	UNGATI NARASIMHA MURTHY	COA	SSC, Inter-MPC, B.Sc, MBA	OBC	12-09-1984	22-05-2013	22-05-2013	Eligible
30	244IG130510	OLJHSW	NAGAVARAPU SUBHADRA	WD/BZA	SSC, Inter-MPC, B.Sc. B.Ed	OBC	25-05-1987	14-05-2013	14-05-2013	Eligible
31	244IG131387	JTSSSI	G.BALAKRISHNA	COA	SSC, Inter-BiPC	SC	09-05-1984	21-05-2013	21-05-2013	Eligible
32	244IG131771	RSXQIT	KASA VENKATA SURYA RAO (LD)	CDO/BZA	SSC, B.Sc-MPC	OBC	10-05-1985	12-07-- 2013	12-07-2013	Eligible
33	244IG131239	QTREPW	KAMIDI SRINU	NS	SSC,ITI-Electronics	OBC	04-07-1987	31-05-2013	31-05-2013	Eligible
34	244IG131385	ROJJGN	K.TRIMURTULU	COA	SSC	OBC	24-07-1985	21-05-2013	21-05-2013	Eligible
35	244IG131389	LRTXCN	P.SATYAVENI	COA	SSC, Inter-MPC	SC	25-08-1992	21-05-2013	21-05-2013	Eligible
36	244IG131134	ECJKWL	KANCHAPOGU GANTAI AH (LD)	CDO/BZA	SSC, Inter-BiPC, B.Sc	SC	16-06-1984	01-07-2013	01-07-2013	Eligible
37	244IG131016	ACUBMR	B.V.S.SATYANARAYAN A	CDO/BZA	SSC,ITI Electrician, Inter-MPC	OBC	10-01-1981	29-05-2013	29-05-2013	Eligible
38	244IG131781	YQSRYZ	MYNAMPATI RAJESH	BTTR	SSC	SC	01-07-1983	20-05-2013	20-05-2013	Eligible
39	244IG131033	TFNBRA	ESWARA RAO RAJA	CDO/BZA	SSC, Inter-MPC, B.Sc	OBC	23-03-1987	15-05-2013	15-05-2013	Eligible

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S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
40	244IG131383	GAZDEP	E.ANANDA MANI	RJY	SSC, Inter-MPC, B.Sc, B.Ed	OBC	26-02-1986	22-05-2013	22-05-2013	Eligible
41	244IG130861	LAZORO	JOGA SRINIVASU	COA	SSC	OBC	15-06-1979	21-05-2013	21-05-2013	Eligible
42	244IG130555	YBUIZZ	SACHUPALLI PRASANTHI	NS	SSC, Inter-MPC, B.Sc, B.Ed	OBC	19-04-1989	20-05-2013	20-05-2013	Eligible
43	244IG131484	SRMSCP	RAMESH NAIDU KASIREDDY	COA	SSC, Inter-MPC, B.Sc	OBC	05-06-1988	10-06-2013	10-06-2013	Eligible
SS	244IG131780	HUQOEC	BOJJA ANKA RAO (LD)	CDO/BZA	SSC, Inter-CEC,BA	SC	05-08-1981	12-07-2013	12-07-2013	Eligible
45	244IG131485	WXQZEF	M NAGAVENKATESWARAR AO (LD)	COA	SSC	OBC	18-12-1980	29-06-2013	29-06-2013	Eligible
46	244IG131035	NMIQNL	AV VENKATESWARA RAO	MTM	SSC, Inter-HEC,BA	OBC	12-10-1984	10-06-2013	10-06-2013	Eligible
47	244IG131025	RCNNGZ	SANDU KONDALA RAO	CDO/BZA	SSC, Inter, BA, B.Ed.	OBC	29-07-1987	30-05-2013	30-05-2013	Eligible
48	244IG131391	LMIKPE	P.SUNDARA KUMARI	NS	SSC, Inter-HEC	SC	10-03-1986	10-06-2013	10-06-2013	Eligible
49	244IG131952	HGSGRL	MADIPALLI NAVEEN KUMAR	CDO/BZA	SSC, Inter	OBC	11-08-1991	10-06-2013	10-06-2013	Eligible
50	244IG131018	BQWUAD	PULI BHARAT KUMAR	CDO/BZA	SSC,Inter- ECE,B.Com	SC	05-08-1992	10-06-2013	10-06-2013	Eligible
51	244IG132057	ROHCWT	CH.RAMESH KUMAR KUNA	COA	SSC, Inter-MPC, B.Sc, M.C.A	OBC	08-06-1983	15-06-2013	15-06-2013	Eligible
52	244IG131037	UEWJJT	B.ARUNA	WD/BZA	SSC, Inter-MPC, B.Sc	SC	15-01-1980	07-06-2013	07-06-2013	Eligible

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DEPARTMENT OF BZA DIVISION.

S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
53	244IG131020	YZEIMA	KONDETI SURESH	CDO/BZA	SSC,ITI-Wiremen, BA	OBC	26-04-1985	29-05-2013	29-05-2013	Eligible
54	244IG131349	MFQAQX	CH.SURYANARAYANA CHARY (LD)	CDO/BZA	SSC,BA	OBC	10-08-1974	26-06-2013	26-06-2013	Eligible
55	244IG131027	EBJFMK	SRI HARI KURTI	COA	SSC, Inter-BiPC, B.Sc.	OBC	01-06-1987	01-06-2013	01-06-2013	Eligible
56	244IG131775	WMPWKN	KATURI SRINIVASULU (LD)	CDO/BZA	SSC	OBC	01-07-1983	12-07-2013	12-07-2013	Eligible
57	244IG131764	ZMAWRT	KONNA SIMHACHALAM	WD/BZA	SSC, Inter-MPC, DTP	OBC	01-08-1988	14-06-2013	14-06-2013	Eligible
58	244IG131774	OPMNXH	RAGHUMUDRI DHANANJAYA	CDO/BZA	SSC,ITI-Diesel, B.A	OBC	19-08-1983	10-06-2013	10-06-2013	Eligible
59	244IG131196	JMQJUY	NATTA RAMESH	CDO/BZA	SSC, Inter, B.Com. MBA	SC	15-04-1989	10-06-2013	10-06-2013	Eligible
60	244IG130674	XKBALM	KISHORE BABU LANKAPALLI	CDO/BZA	SSC,Inter,B.Com,M. Com	SC	06-07-1975	28.05.2013	28-05-2013	Eligible
61	244IG131001	EJZXLU	TENALI NAGA MALLESWARI	WD/BZA	SSC, Inter-BiPC, BA, Type Shorthand and Type Tower& Higher	SC	12-04-1979	07-06-2013	07-06-2013	Eligible
62	244IG131762	ZFYZLB	KURAMA DANIEL (LD)	WD/BZA	SSC, Inter, BA,BL	SC	15-07-1969	29-06-2013	29-06-2013	Eligible
63	244IG131135	SRIGUM	PARIMI ALIVELU MANGAMMA	CDO/BZA	SSC, Inter, BA	SC	03-05-1985	30-05-2013	30-05-2013	Eligible
64	53169120003	REXOWX	GUDUPU JAGADISH	COA	Inter-EET	SC	04-06-1992	16-05-2012	12-04-2013	Eligible
65	53164120393	REBKGE	AKULA SURESH	COA	ITI-Diesel Mech., BA	OBC	02-03-1982	26-11-2012	04-05-2013	Eligible

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S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
66	244ZZ121148	XEPPMR	D RADHA KRISHNA BABU	COA	Inter-CEC, M.Com	OBC	07-07-1978	01-12-2012	06-05-2013	Eligible
67	53105020374	RJKWIL	VISHNUVARDHAN RAO REVU	COA	Inter-HEC	SC	01-07-1976	05-10-2005	08-05-2013	Eligible
68	244IK140043	ATHKXM	SRIHARI NAIDU BANDARU	NS	SSC, ITI-Fitter	OBC	30-06-1986	16-04-2013	06-03-2014	Eligible
69	247IK140045	FDFXAX	YAMALA NARAYANA RAO	CDO/BZA	SSC,ITI-Fitter	OBC	29-08-1982	16-04-2013	16-12-2013	Eligible
70	53163130141	JILQTG	KANAKALA MOHANA RAO	COA	Inter-HSC, B.Sc	OBC	01-07-1990	11-06-2013	11-06-2013	Eligible
71	244IQ140149	TSCWSU	MOHAN BABU MANTADA	CDO/BZA	Inter, B.Sc-MPC	OBC	21-06-1989	07-06-2013	07-06-2015	Eligible
72	242IE131700	ILFKKL	V GIRI BABU	COA	Inter-MPC, B.Sc.	UR	19-06-1985	13-07-2013	13-07-2013	Eligible
73	242IE131689	XFSYUW	SUBHANI MEDIBOINA	CDO/BZA	Inter	OBC	11-01-1990	22-07-2013	22-07-2013	Eligible
74	244IE131698	GSAWRC	SATEESH PEDAGADA	CDO/BZA	Inter	OBC	01-07-1990	24-07-2014	24-07-2014	Eligible
75	50714107129	JSZUZG	V D NAGA PRAVEEN KUMAR N	MTM	SSC, Inter-MPC	UR	23-08-1989	19-02-2013	30-09-2013	Eligible
76	248IO130238	ROZWZJ	JAKKAMSETTI BABULU (LD)	NS	SSC, Inter	OBC	27-03-1982	26-11-2013	26-11-2013	Eligible
77	24429806572	TFZTXF	GUMMADALA SWATHI	WD/BZA	SSC, Inter- CEC, B.Com, MBA	OBC	29-08-1987	08.01.2014 19.07.2022 (Trg.)	08-01-2014 09-11-2022 (reg)	*Eligible
78	244IG140133	GGJMLG	NARI SUBRAHMANYAM	BTTR	SSC, Inter-CEC, BA	OBC	20-04-1981	01-02-2014	01-02-2014	Eligible

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S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
79	247IK140044	TQXUJN	B VENKATESWARA RAO	CDO/BZA	SSC, ITI-Fitter	OBC	15-06-1987	14-08-2013	06-03-2014	Eligible
80	244IG110750	FFXUXQ	B.JAYANTHI	CDO/BZA	SSC	SC	25-02-1975	30-10-2010	03-03-2013	Eligible
81	53107040191	CXONGR	P.DURGA PRASAD	RJY	SSC	UR	15-05-1979	22-05-2007	21-05-2014	Eligible
82	244IK130006	UYORYS	BALLA TRILOK	COA	SSC,ITI-Fitter	UR	10-07-1991	05-04-2011	05-04-2014	*Eligible
83	244IG140348	RIWRSX	THUMATI MEGANADH	WD/BZA	SSC in APOSC	UR	12-07-1991	18-07-2014	18-07-2014	Eligible
84	15711632268	LCZUZQ	VELAGADA APPAJEE	WD/BZA	Inter-MPC, B.Sc.	OBC	01-06-1986	30-07-2014	30-07-2014	Eligible
85	244IG140622	QKLNQU	K POORNA CHANDRA RAO	CDO/BZA	SSC, Inter-HEC, BA,MA, B.Ed.	UR	02-07-1982	06-10-2014	06-10-2014	Eligible
86	244ZZ140948	JGUSFK	K.SATHI BABU	COA	SSC	OBC	10-06-1985	16-10-2014	16-10-2014	Eligible
87	244CZ130091	AGSSBR	NELATURI KAVITHA	CDO/BZA	SSC	SC	10-02-1993	05-09-2011	30-10-2014	*Eligible
88	53120144572	CTCOZU	SASHIKANTH BARUVA	COA	Inter--MPC,ITI- Diesel Mech	UR	17-05-1987	06-11-2014	16-11-2014	Eligible
89	242IE150486	JBOKAE	VADAREVU SUBRAMANYAM	MTM	SSC	UR	05-08-1987	18-03-2011	11-11-2014	Eligible
90	53120144759	QSPIZA	G VENKATESWARLU	CDO/BZA	SSC, Inter-BiPC	OBC	15-04-1979	24-12-2014	24-12-2014	Eligible
91	53120144749	DSCSYF	SRINIVASU KADALI	NS	B.Com	OBC	08-02-1978	26-12-2014	26-12-2014	Eligible

ELIGIBILITY AND INELIGIBILITY LIST FOR SELECTION TO THE POST OF TECHNICIAN GR-III-C&W IN LEVEL-2 AGAINST 25% LDCE QUOTA IN MECHANICAL
DEPARTMENT OF BZA DIVISION.

S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
92	244IG150263	UXQRTN	DASARI SIVA KRISHNA (VI)	CDO/BZA	SSC, Inter-CEC & B.Com	OBC	25-10-1989	16-04-2015	16-04-2015	Eligible
93	244IG150262	MLUCME	JANGAM PRASADBABU (LD)	CDO/BZA	SSC, Inter, Degree, B.Ed, MA Journalism and Mass Communication	SC	04-01-1985	17-04-2015	17-04-2015	Eligible
94	244IG150244	YAMXLA	G BHUVANESWARA RAO (VI)	COA	SSC, Inter-HEC, B.A, B.Ed	OBC	25-08-1986	21-04-2015	21-04-2015	Eligible
95	244IF150058	YNPKCW	KOTU VIJAYA SARADHI	WD/BZA	SSC,B.Com	UR	24-12-1977	14-09-2010	14-09-2013	Eligible
96	244IG150405	UNOCKG	KATUMALA DEVAKUMAR	RJY	SSC	SC	17-01-1968	11-07-2015	11-07-2015	Eligible
97	244IG150500	LGCHAF	NAREPALEM.M.S.L.PAT HI	CDO/BZA	Inter-MPC, B.Tech(CSE)	UR	06-08-1987	23-09-2015	23-09-2015	Eligible
98	NP060800011	RUFYQL	RAVIPATI SURESH RAJU	NS	SSC, B.A(open)	UR	14-08-1988	09-11-2015	09-11-2015	Eligible
99	246IJ140203	JKBFRM	V.PAPA RAO	NS	Inter-HEC,B.A.	OBC	07-08-1989	15-09-2014	13-01-2016	Eligible
100	244IG160021	OWSKFN	MERUGA VEERA BABU	MTM	SSC, Inter-BiPC, B.Sc. B.Ed.	SC	10-01-1982	12-01-2016	12-01-2016	Eligible
101	244IG160022	RCWSFJ	PALIKELA RAMA LAKSHMI	RJY	SSC	UR	20-06-1991	26-01-2016	26-01-2016	Eligible
102	244IG160189	APAJOT	SK.PARVEEN	COA	SSC, Inter-BiPC, B.Sc.	UR	11-02-1994	04-03-2016	04-03-2016	Eligible
103	242IE100020	HMMNRM	MOOLAM HARI KRISHNA	BTTR	SSC	SC	08-10-1990	04-02-2010	06-04-2016	Eligible
104	242IE120872	LUAEFS	TANETI RAMESH BABU	NS	SSC	SC	10-06-1988	04-07-2011	04-07-2014	Eligible

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S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
105	39229800477	PZQHUA	BAGGUYUVA PRUDHVIRAJ	WD/BZA	SSC	OBC	04-09-1996	12-07-2016	12-07-2016	Eligible
106	244IG160574	ALQKIC	CH.PRASANTHI	CDO/BZA	SSC, Inter- Bi.PC,B.Sc,M.Sc.	SC	11-10-1986	15-12-2016	15-12-2016	Eligible
107	244IG150494	BFRXNG	GIRRA SATYA KALYANI	CDO/BZA	10th	SC	17-07-1977	27-08-2015	21-12-2016	Eligible
108	241SBP01292	LYLAEM	K.V.D.PHANINDRA YADAV	WD/BZA	SSC	OBC	16-07-1992	22-01-2014	23-11-2017	Eligible
109	39114AA0033	UDCZOY	RAMBABU MUDILI	WD/BZA	Inter-HEC	OBC	21-08-1986	12-05-2014	12-05-2017	Eligible
110	24429804473	IEKKKM	MANTRI JAGADESWARA RAO	WD/BZA	SSC,Inter-MPC	OBC	09-07-1995	13-09-2019	13-09-2019	Eligible
111	24429804382	OMWWLH	G D V DHARANI PRASAD	COA	SSC, DME, B.Tech- Mech	UR	21-08-1995	13-09-2019	13-09-2019	Eligible
112	24429804476	ZSKSBS	KUMILI GANESH	WD/BZA	SSC, Inter-MPC	OBC	02-05-1996	16-09-2019	16-09-2019	Eligible
113	24429804471	QCYFOG	SIRAPARAPU JAGADEESH	COA	SSC, Inter-MPC- Computer	OBC	08-07-1999	16-09-2019	16-09-2019	Eligible
114	24429804451	DQMGEY	SEELAM VARA PRASAD	NS	SSC, Inter-MPC, B.Sc	OBC	11-08-1983	12-09-2019	12-09-2019	Eligible
115	24429804487	HSPIQF	KORNALA CHANIKYA	WD/BZA	SSC, Inter-MPC, B.Sc.	OBC	03-11-1993	16-09-2019	16-09-2019	Eligible
116	24429804450	LDNOEF	GAVINI VENKATESH YADAV	OGL	SSC, Inter-MPC, B.Sc, MCA.B.Ed	OBC	10-05-1988	11-09-2019	11-09-2019	Eligible
117	24429804905	FKIPEA	R VENKATA RAVINDRA	GDR	SSC, Inter-MPC, B.Tech	UR	20-06-1993	16-09-2019	16-09-2019	Eligible

ELIGIBILITY AND INELIGIBILITY LIST FOR SELECTION TO THE POST OF TECHNICIAN GR-III-C&W IN LEVEL-2 AGAINST 25% LDCE QUOTA IN MECHANICAL
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S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
118	24429804483	NWJUDZ	P KRISHNA CHAITANYA	WD/BZA	SSC, Inter-MPC, B.Tech	OBC	06-10-1993	12-09-2019	12-09-2019	Eligible
119	24429804469	OLATYZ	PASALAPUDI DURGA PRASAD	COA	SSC, Inter-MPC, B.Sc. and MCA	OBC	05-07-1987	13-09-2019	13-09-2019	Eligible
120	24429804482	EBXRNW	NALLI HARI BABU	WD/BZA	SSC, Inter-MPC, BA	OBC	30-05-1994	11-09-2019	11-09-2019	Eligible
121	24429804381	ZZKILZ	G.KUMAR SWAMY	COA	Inter-MPC, B.Tech	OBC	17-03-1994	16-09-2019	16-09-2019	Eligible
122	24429804489	WBAFME	CHAPPATI KIRAN	WD/BZA	SSC, Inter-MPC, B.Sc	OBC	03-08-1993	11-09-2019	11-09-2019	Eligible
123	24429804442	WEMRDC	CH MANOJ KUMAR REDDY	BTTR	SSC, Inter- MPC, B.Com	UR	05-05-1998	11-09-2019	11-09-2019	Eligible
124	24429804490	BNAONQ	KILLARI GOWRINAIDU	WD/BZA	Inter-Off Asst, B.Com	OBC	10-07-1995	16-09-2019	16-09-2019	Eligible
125	24429804361	LKPQMP	LAGUDU SANYASINAIDU	NS	SSC, Inter-MPC, B.Sc	OBC	25-06-1995	15-09-2019	15-09-2019	Eligible
126	24429804332	KBERQQ	SAKALA.V.SATYANARA YANA	COA	SSC, Inter-MPC, B.Sc,	UR	05-05-1989	11-09-2019	11-09-2019	Eligible
127	24429804354	EXQPQY	SANKARA RAO BOTCHA	NS	SSC, Inter-BiPC	OBC	05-07-1989	12-09-2019	12-09-2019	Eligible
128	24429804333	SZDHCF	SANTOSH KUMAR KONDURU	COA	SSC, Inter-MPC	OBC	23-06-1988	11-09-2019	11-09-2019	Eligible
129	24429804369	ELXSHB	AVALA SURI NAIDU	CDO/BZA	SSC, Inter-MPC, B.Sc.	OBC	01-07-1994	11-09-2019	11-09-2019	Eligible
130	24429804362	THKUBX	GULLA VAMSI KRISHNA	NS	SSC, Inter-MPC	OBC	30-05-1998	16-09-2019	16-09-2019	Eligible

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131	24429804359	WBSZWW	L TRINADHA RAO	NS	SSC, Inter-MPC	OBC	26-11-1997	15-09-2019	15-09-2019	Eligible
132	24429804466	WCZWY	PEYYALA KONDAIAH	OGL	SSC, Inter-MPC, B.Tech	OBC	16-07-1993	16-09-2019	16-09-2019	Eligible
133	24429804366	FTDUSF	KORAGANA DHANARAJ	COA	SSC, Inter-MPC, B.Tech	OBC	02-03-1994	12-09-2019	12-09-2019	Eligible
134	24429804378	BHWMAD	TAMMINENI RAVITEJA	COA	SSC, Inter-MPC, B.Tech-Mech	OBC	06-06-1996	17-09-2019	17-09-2019	Eligible
135	24429804458	MWDGIJ	BOTSA RAVI SANKAR BABU	COA	SSC, Inter-MPC, B.Sc	SC	20-08-1994	13-09-2019	13-09-2019	Eligible
136	24429804452	MNUYDO	BAMMIDI SRINU	CDO/BZA	SSC, Inter, B.Sc	OBC	12-04-1992	16-09-2019	16-09-2019	Eligible
137	24429804478	PAKLTQ	AADI SAI SRINU	WD/BZA	SSC, Inter-MPC, B.Tech	OBC	10-08-1993	12-09-2019	12-09-2019	Eligible
138	24429804507	OLYXEU	BONGU RAVEENDRA	CDO/BZA	SSC, Inter-CEC	OBC	01-08-1992	13-09-2019	13-09-2019	Eligible
139	24429804347	HEUFZW	KIDARI RAMBABU	COA	SSC, Inter-MPC, B.Sc	SC	10-07-1988	12-09-2019	12-09-2019	Eligible
140	24429804718	MWGTPQ	UPPULURI RAJESH	CDO/BZA	SSC, Inter- MPC,B.E.(EIE)	SC	13-06-1990	16-09-2019	16-09-2019	Eligible
141	24429804570	BZKANO	BODHA GOWRIPRASAD	CDO/BZA	SSC,ITI-Act Appr	OBC	13-01-1992	13-09-2019	13-09-2019	Eligible
142	24429804363	RGOACS	A TIRUPATHI DURGA PRASAD	COA	SSC, Inter-MPC, ITI- Fitter, B.Com(Degree)	UR	10-03-1991	16-09-2019	16-09-2019	Eligible
143	24429804504	DCBEAH	DADI NAGA MAHENDRA	COA	SSC, Inter-MPC, ITI- Fitter, Act App	OBC	01-01-1994	16-09-2019	16-09-2019	Eligible

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S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
144	24429804571	PIWPKU	MAROJU SANTHOSH KUMAR	COA	SSC, Inter-CEC,ITI- Electrician, Act Apprentice- Electrician	OBC	11-01-1990	16-09-2019	16-09-2019	Eligible
145	24429804459	WMDDHF	D DURGA PRASAD VARMA	COA	SSC,ITI-Fitter, Diploma-Mech,	OBC	31-05-1994	16-09-2019	16-09-2019	Eligible
146	24429804904	IEDSQW	G PAVAN KUMAR	GDR	SSC, ITI-Fitter, Act App	OBC	20-08-1986	16-09-2019	16-09-2019	Eligible
147	24429804449	KKHDLS	PEPAKAYALA SWAMY	COA	SSC, ITI-Fitter, Diploma-Mech.	UR	21-09-1993	17-09-2019	17-09-2019	Eligible
148	24429805170	XPPNQL	BANDARU VIJAYA	COA	SSC	OBC	08-07-1996	03-12-2019	03-12-2019	Eligible
149	24229804353	BYWXMO	KANDREGULA NAVEEN	CDO/BZA	SSC, ITI-Machinist.	OBC	12-06-1995	20-09-2019	13-12-2019	Eligible
150	24429805677	AAJDZH	RAMUNaidu REDDI (LD)	WD/BZA	Inter-BiPC, B.Sc.	OBC	01-06-1989	04-08-2020	04-08-2020	Eligible
151	15215MS1967	GIXQTQ	POLIREDDY VENKATESH	WD/BZA	Inter-MPC, B.Tech	OBC	09-07-1988	12-12-2015	09-04-2021	Eligible
152	244IG150358	TPQPYH	BOCHA DEVI DIVYA	RJY	SSC	SC	28-02-1986	23-05-2015	28-10-2022	Eligible Subject to entry of SSC Qualification entry in SR.
153	15329801011	QYXIMU	MESSAIAH ATLURI	OGL	Inter-MPC	SC	20-06-1985	29-04-2016	18-08-2023	Not Eligible as per para-II (b) of Notification.

ELIGIBILITY AND INELIGIBILITY LIST FOR SELECTION TO THE POST OF TECHNICIAN GR-III-C&W IN LEVEL-2 AGAINST 25% LDCE QUOTA IN MECHANICAL
DEPARTMENT OF BZA DIVISION.

S.N	PF No. NPS No.	HRMS ID	Name of the employee (S/Sri/Smt/Kum)	Station	Educational Qualification.	Com.	DOB	DOA	DOE	Eligibility Remarks
154	24129801484	SXWSGN	SHAIK FEROZ	CDO/BZA	SSC, Inter-MPC,ITI- Electronics Mech.	UR	14-07-1996	28-12-2018	28-12-2021	Not Eligible, as per Para-II (a) of Notification.

(TOTAL ONE HUNDRED AND FIFTY FOUR EMPLOYEES)

Digitally Signed by Konamki

Srinivasa Rao

Date: 06-03-2024 14:11:58

Reason: Approved

**S. C. Railway
C&W Department
BZA Division**

100% OBJECTIVE

(Multiple choice)

**TYPE BIT BANK For
GROUP 'D' staff**

**Appearing for
GROUP 'C' (25% LDCE)
Examination**

2024

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Q.No

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6. WRA & CDTS	----- (924---946)
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CARRIAGE & WAGON

1. Certain inputs are required from mechanical side for running trains at a maximum speed of 120 KMPH. Which of the following statement is not true?
- (a) The coaches should be ICF all coil type.
 - (b) The coaches should be fitted with 13.25t bogie.**
 - (c) The coaches should be air-conditioned.
 - (d) The coaches should be maintained to technical pamphlet C-7807
2. Which of the following conditions required for operation of 24 coach trains is not true?
- (a) It should be Air brake with twin pipe graduated release system
 - (b) In case of double headed diesel locos maximum traction motor current will be restricted to 650 amperes
 - (c) Primary maintenance of the rake should be done in one hook without splitting
 - (d) Minimum maintenance time of 4 hours on the pit during primary maintenance**
3. Which is not the advantage of Axle driven/self-generating system?
- (a) Each unit being independent can work as slip coach
 - (b) In case of failure of generating equipment in 2 or 3 coaches, power can be drawn from adjacent coach by means of cable connection.
 - (c) Safe low work voltage.
 - (d) Less initial cost.**
4. Which is not advantage of End-On Generating system?
- (a) Low initial cost.
 - (b) Low maintenance cost.
 - (c) No power is required to drive the axle generators.
 - (d) No restriction on interchangeability of coaches.**
5. What do Yellow strips on end wall panels of coaches represent?
- (a) Coaches fitted with enhanced capacity screw coupling.
 - (b) Anti telescopic coach body**
 - (c) Coach fitted with bogie mounted air-brake cylinders.
 - (d) Vacuum brake train.
6. What does White dumbbell mark on end wall panels of coaches represent?
- (a) Coach fitted with enhanced capacity screw coupling.**
 - (b) Anti telescopic coach body.
 - (c) Coach fitted with bogie mounted air-brake cylinders.
 - (d) Vacuum brake train.
7. What does the vertical yellow color line at end body corner of coach indicate?
- (a) Coach fitted with enhanced capacity screw coupling.
 - (b) Anti telescopic coach body.
 - (c) Coach fitted with CBC**
 - (d) Vacuum brake train.
8. Yellow strips on exterior panel above the Lavatory window on coaches represent?
- (a) Coach fitted with enhanced capacity screw coupling.
 - (b) Second class general coach.**
 - (c) Coach fitted with bogie mounted air-brake cylinders.
 - (d) Vacuum brake train.
9. What is WSP?
- (a) **Wheel slide protection**
 - (b) Wheel slip provision
 - (c) Wheel skid provision
 - (d) Wheel shoe protection.
10. What is LSD?
- (a) Low Sensor Divider
 - (b) Load Sensing device**
 - (c) Load sensing divider
 - (d) Light sensing device
11. What is Auxiliary relief medical equipment code as?
- (a) ART
 - (b) ARB
 - (c) ARME**
 - (d) ARMY

12. What is MEMU?
 (a) **Mainline electric multiple unit.** (b) Model electric multiple unit.
 (c) Modern electric multiple unit. (d) mixed electric multiple unit.
13. Full name of PEASD?
 (a) Passenger emergency alarm sensing device.
 (b) **Passenger emergency alarm signal device**
 (c) Permanent emergency alarm signal device.
 (d) None of the above.
14. Yellow zebra strips on wagons-what does it signify?
 (a) **Departmental wagon** (b) Sponsored wagon (c) Wagon for liquid stock (d) Wagon for animals.
15. Which of the following are the consequences of brake binding on the Railway system?
 (a) Damage to the wheels & sometimes coaches detachments resulting revenue loss.
 (b) Poor riding quality.
 (c) Damage to rolling stock components such as roller bearings, springs etc.
 (d) **All the above.**
16. The standard wheel gauge of passenger BG coaching stock is?
 (a) 1602mm (b) 1601mm (c) 1603mm (d) **1600mm**
17. The length over buffer of ICF/RCF coach is - ?
 (a) **22297mm** (b) 22299mm (c) 21996mm (d) 21030mm
18. What is the length of coach over buffer of IR coach?
 (a) 22297mm (b) 22296mm (c) 21336mm (d) **21996mm.**
19. Over all width of ICF/RCF coach is ?
 (a) 3251mm (b) 3250mm (c) **3245mm** (d) 3991mm
20. The maximum wheel gauge of passenger BG coaching stock is ?
 (a) **1602mm** (b) 1601mm (c) 1603mm (d) 1600mm
21. The height from rail level of ICF/RCF coach is - ?
 (a) 3886mm (b) **4025mm** (c) 3991mm (d) 3251mm
22. The minimum wheel gauge of passenger BG coaching stock is ?
 (a) 1602mm (b) 1601mm (c) 1603mm (d) **1599mm**
23. How many emergency windows are provided in AC ICF/RCF coaches?
 (a) Two (b) three (c) **four** (d) five
24. What do you mean by FRP?
 (a) Fiber reconstruction panel (b) **Fiber reinforced plastic**
 (c) First reduction plastic (d) fine reinforced panel
25. From where is the weight of the body transferred on trolley in an ICF coach?
 (a) Journal (b) Wheel (c) **Side bearer** (d) Dashpot
26. The full form of AR
 (a) Axle on road (b) Axle reservoir (c) **Auxiliary reservoir** (d) None of the above
27. The full form of BP
 (a) Bypass (b) **Brake pipe** (c) Bent pipe (d) None of the above
28. Full form of BC-
 (a) Brake control (b) Beside coach (c) **Brake cylinder** (d) Branch cylinder
29. Transportation code of the ladies compartment is ?
 (a) X (b) Z (c) **Y** (d) L
30. What is the Transportation code of second class fitted with self generating electrical equipment?
 (a) SG (b) **GS** (c) GY (d) GSD

31. The expanded name of PEAVis-
 a) Power energy alarm valve (b) **Passenger emergency alarm valve**
 (c) Passenger entrance alarm valve (d) Passenger emergency Application valve
32. The full name of ACPis-
 (a) Air condition pipe (B) Air cooler pipe (c) **Alarm chain-pulling** (d) Air cylinder piston
33. The full name of PEASDis-
 (a) Passenger emergency alarm shutdown (b) **Passenger emergency alarm signal device**
 (c) Passenger entrance admission signal device (d) Passenger emergency admission signal device
34. Of which brake van is the quick coupling an important part?
 (a) BVZT (b) BVZX (c) **BVZC** (d) BVZM
35. What is the Transportation code of inspection carriage (Administrative)?
 (a) AR (b) CR (c) IC (d) **RA**
36. What is the length over Headstock of the BOXN wagon?
 (a) 9774mm (b) **9784mm** (c) 9777mm (d) 9848mm
37. Tare weight of the BOXN wagon is
 (a) 22.37 tons (b) 22.47 tons (c) **23.2 tons** (d) 24.80 tons
38. Tare weight of the BRN wagon is-
 (a) 25.2 tons (b) **24.4 tons** (c) 23.80 tons (d) 24.80 tons
39. What is the length over couplers of the BOXN wagon?
 (a) **10713mm** (b) 10813mm (c) 11002mm (d) 10100mm
40. What is the length over couplers of the BCN wagon?
 (a) 15400mm (b) 15443mm (c) **15429mm** (d) 15563mm
41. What is the length over couplers of the BRN wagon?
 (a) **14645mm** (b) 14564mm (c) 14332mm (d) 14463mm
42. Gross load of the BOXN wagon is-
 (a) 78.92t (b) **81.28t** (c) 86.78t (d) 88.81t
43. Gross load of the BRN wagon is-
 (a) 78.92t (b) **81.28t** (c) 81.3t (d) 82.4t
44. Overall height of BOBR wagon from rail level is-
 (a) **3735mm** (b) 3998mm (c) 4324mm (d) 4532mm
45. Tare weight of the BCN wagon is ?
 (a) 22.47 tons (b) 25.37 tons (c) **27.20 tons** (d) 27.80 tons
46. Transportation codes of the pantry car is ?
 (a) BC (b) PC (c) **WCB** (d) CD
47. C-Class ODC shall be moved during ?
 (a) **Daylight** (b) Day-night time (c) Only nighttime (d) None of the above
48. The full form of CR is-
 (a) Central Reservoir (b) Cylindrical reservoir (c) **Control reservoir** (d) None of the above
49. What is the frequency of schedule-A for coaching stock?
 (a) One month \pm 1 day (b) **one month \pm 3 days** (c) one month \pm 5 days (d) one month \pm 7 days
50. Which of the following stock does not have the ROH frequency of 24 months?
 (a) BCCNR (b) **BOXN** (c) BOXNLW (d) BOBRN
51. Coaching stock accident involving human life enquiry by?
 (a) PCME (b) **CRS** (c) DRM (d) Sr. DME
52. What defect is detected by UST test?
 (a) **Internal Cracks** (b) External cracks (c) Air Blow cracks (d) None of the above

53. What is codal life of steel bodied coaches (Including dining / pantrycars)
 (a)35years (b)18years (c)15years **(d) 25years**
54. What are the essential requirements for running trains at 120kmph/130kmph?
 i. All coaches should be ICF all coiltype
 ii. All coaches should be fitted with 16 Tbogie
 iii. All coaches should be maintained as per technical pamphletC-7807
 (a) 1&2 (b)2&3 (c)1&3 **(d) all theabove**
55. As per board's guidelines, how much maintenance time should be given to a 24 coachlength trains during primarymaintenance?
 (a) 4hrs **(b)6hrs** (c) between4-6hrs (d) 8hrs
56. What is the periodicity of ROH for BOXNwagons?
 (a)24months (b)12months (c)36months **(d) 18months**
57. What is the periodicity of POH for newly built BOXNwagons?
 (A)42months (b)48months (c)36months **(d) 72months**
58. Codal life of light utilisation categories of coaches ?
 (a) 35years **(b)40years** (c)45years (d) 30years
59. The intensive cleaning of any coach is carried out after an intervalof ?
 (a) 3months **(b)1month** (c)6months (d) 8months
60. What is the interval for cleaning coach watertank?
 (a) 15days (b)25days **(c)1month** (d) 2months
61. What is the periodicity for the POH of any OCV attached to a passengertrain?
 (a)9months (b)12months (c)18months **(d) 24months**
62. What shall be the periodicity for POH for a coach attached to mail/expresstrain?
 (a) 9months (b)12months **(c)18months** (d) 24months
63. What shall be the periodicity of POH of PCV attached with any train otherthan mail/expresstrain?
 (a)9months (b)12months **(c)18months** (d) 24months
64. What is the periodicity of POH of departmental coaches except ART/ARME?
(a)24months (b)36months (c)42months (d) 60months
65. What is the periodicity for cleaning of carpet of ACcompartments?
 (a) 2months **(b)1month** (c)15days (d) 3months
66. Rehabilitation of coaching stock (MLR) is carried outbetween-
 (a)10-12years **(b)12-15 years** (c)15-18 years (d) 18-20years
67. Cost of Mid Life Rehabilitation of coaching stockis-
 (a) 15% of thetotalcost (b) 20% of the total cost
(c) 25% of thetotalcost (d) 35% of the totalcost
68. AT what interval, the IOH of a BG coach is carriedout?
(a) 1month±3days (d)3months±3days (c) 6months±7days **(d) 9 months+30days**
69. What is the interval of schedule 'A' examination of acoach?
 (a) **1 month±3days** (d)2months±3 days (c) 3 months±6days (d) none of theabove
70. What is the interval of schedule 'B' examination of acoach?
 (a) 1 month±3 days (b) 2 months±3 days **(c) 3 months±7days** (d) none of theabove
71. What is the interval of cleaning/flushing of overhead watertank?
 (a) everytrip **(b)everymonth** (c) every3months (d) every 6months
72. The revised maximum payloads of NMG coachesare ?
 (a)7.39t (b)8.23t **(c)9.2t** (d) 10.3t
73. At what interval the IOH of Shatabdi coaches is carriedout?
 (a)12 monthsatDepot **(b) 9 months atWorkshop**
 (c) 9 monthsatDepot (d) none of theabove
74. A toilet in which biological degradation of human waste by inoculums takes place,is called a
 (a) VacumToilet (b) Control Discharge Toilet**(c)Bio-Toilet** (d) None of theabove
75. Under which schedule testing& calibration of the pressure gauge is carriedout?
 (a) **Every6months** (b)IOH (c)A-Schedule (d) B-Schedule

76. Under which schedule is single car test is carried out?
 (a) IOH (b) A-schedule (c) B-schedule (d) none
77. POH periodicity of DVof ?
 (a) 3 years or 8 lakh kms whichever is earlier (b) **5 years or 8 lakh kms whichever is earlier**
 (c) 4 years or 6 lakh kms whichever is earlier (d) 4 years or 4 lakh kms whichever is earlier
78. After which interval the roof leakage in all ICF coach checked?
 (a) 1 month (b) 2 months (c) 3 months (d) **6 months**
79. What is the interval of inspecting the side bearer oil level?
 (a) **1 month** (b) 25 days (c) 20 days (d) 10 days
80. What is the interval of checking the dash pot oil in mail / express train?
 (a) 15 days (b) 25 days (c) **1 month** (d) 2 months
81. Under which schedule, the overhauling and testing of alarm chain apparatus is carried out ?
 (a) A schedule (b) **B schedule** (c) C schedule (d) special schedule
82. In Bio-Toilet human waste is converted
 (a) Fumes and gas (b) **Water and Gas**
 (c) Water and fumes (d) Sublimation
83. What is the periodicity of the schedule D2 for all types of LHB coaches?
 (a) **1 month ± 3 days** (b) 3 monthly ± 15 days (c) 6 monthly ± 15 days (d) yearly ± 30 days
84. What is the periodicity of the SS-I schedule of all type of LHB coaches?
 (a) yearly ± 15 days / 6 lakhs km earned whichever is earlier
 (b) Three months ± 15 days / 4 lakhs km earned whichever is earlier
 (c) six months ± 15 days / 6 lakhs km earned whichever is earlier
 (d) **18 months ± 30 days / 6 lakhs km earned whichever is earlier**
85. What is the periodicity of the SS-2 schedule for all type of LHB coaches?
 (a) **36 months / 12 lakhs km earned whichever is earlier**
 (b) 24 months / 12 lakhs km earned whichever is earlier
 (c) Six months ± 30 days / 12 lakhs km earned whichever is earlier
 (d) yearly ± 60 days / 12 lakhs km earned whichever is earlier
86. First POH periodicity for the newly built BLC containers wagon is ?
 (a) 4.5 years (b) 5.5 years (c) **6.0 years** (d) 6.5 years
87. The BOXN bogie is designed for an axle load of—
 (a) 20.50t (b) 20.80t (c) **20.30t** (d) 20.10t
88. POH periodicity of BG brake van is—
 (a) 3.5 years (b) **2.0 years** (c) 6.0 years (d) 3.5 years
89. What time relaxation period has been given to a loaded BOXN wagon for sending for POH?
 (a) after 15 days (b) **after 30 days** (c) before 30 days (d) before 15 days
90. What time relaxation of period has been given to an empty BOX wagon for sending for POH?
 (a) before 15 days (b) after 30 days (c) **before 30 days** (d) before 15 days
91. What do you mean by PME in connection with goods stock?
 (a) Pre medical examination (b) Pre maintenance examination
 (c) **Periodical maintenance examinations** (d) Power mechanical equipment
92. What do you mean by C Crakes?
 (a) Constant contact pad (b) **close circuit rake** (c) complete coal rake (d) both B and C
93. Dirt collector should be cleaned in case of Wagons.
 (a) **at the time of ROH** (b) 2 months (c) 6 months (d) 3 months
94. ROH interval in BTPN tank wagon is.....
 (a) 16 months (b) 20 months (c) **18 months** (d) 24 months
95. What is the thickness of roof sheet in ICF coach?
 (a) 2.1mm (b) 1.9mm (c) 1.8mm (d) **1.6mm**
96. Thickness of coach flooring Ply is....
 (a) 12mm (b) 16mm (c) **19mm** (d) 22mm

97. Thickness of compreg Ply provided in floor sheet is.....
 (a) 9.0mm (b) 11.0mm **(c) 12.0mm** (d) 16.0mm
98. What is the diameter of compression tube under lavatory portion?
 (a) 85.0mm (b) 80.0mm **(c) 65.0mm** (d) 70.0mm
99. Thickness of side wall sheet of ICF/RCF coaches.....
 (a) 1mm (b) 3mm **(c) 2mm** (d) 4mm
100. Thickness of trough floor of ICF/RCF coaches....
 (a) 1mm **(b) 2mm** (c) 5mm (d) 7mm
101. Sole bar of ICF coaches consists of.....
 (a) **Z section** (b) I section (c) Y section (d) U section
102. Which type of brake blocks are used in bogie mounted brake system?
 (a) L-type **(b) K-type** (c) Cast iron (d) Sand casting
103. Which of the following statements is not true?
(a) Sand casting brake blocks can be provided with bogie mounted air brake coach under certain conditions
 (b) Fitment of K-type high friction composite brake block should only be ensured in modified brake shoe heads, meant for the fitment of said brake block.
 (c) Composite brake blocks having lug at their top and bottom (L-type) should not be fitted in modified brake shoe heads, this will cause uneven wear of brake block and will not fulfill the requirements of bogie mounted air brake.
 (d) Mixing of levers and curved profile pull rods for non AC coaches (13 T bogies) and AC coaches (16 T bogies) should be restricted as the separate design components have been introduced in BMBC stock for 13 T and 16 T coaches.
104. Type of the bacteria used in Bio-Toilet
 (a) **Anaerobic Bacteria** (b) Aerobic bacteria (c) Bio bacteria (d) None of the above
105. Which of the following can be degraded by anaerobic bacteria
 (a) Acids (b) Anti Acids **(c) Detergents** (d) Bases
106. Which of the following statements is true in case of anaerobic bacteria?
 (a) It can survive without oxygen (b) It can survive without feed
 (c) It can double its population in 30 min to 16 hrs. **(d) All the above**
107. How many liters of Inoculum to be filled initially in Bio-Toilet
 (a) 100 lit **(b) 120 lit** (c) 150 lit (d) 200 lit
108. What level of dash pot oil is being maintained on the coaches at washing line?
 (a) 50mm (b) 60mm **(c) 40mm** (d) 20mm
109. What is the radius at the root of flange of a new wheel?
 (a) 22mm **(b) 16mm** (c) 18mm (d) 20mm
110. At what thickness of flange on a high speed coach, the wheel set will be condemned?
 (a) 21mm (b) 24mm **(c) 22mm** (d) 29mm
111. Thickness of flange is measured at what distance below the top of the flange?
 (a) 14mm (b) 16mm (c) 18mm **(d) 13mm**
112. At what radius at the root of flange the wheel set will be declared as having less root radius?
(a) 13mm (b) 15mm (c) 14.5mm (d) 16mm
113. Sharp flange will occur when the top radius at the corner towards the tread reduces to?
 (a) 6mm **(b) 5mm** (c) 4mm (d) 4.5mm
114. _____ oil is used in dash pot guide?
 (a) Servo RR-3 **(b) servoline 68 (shell cornia oil)**
 (c) Lithium base grease (d) none of the above

115. What is the maximum limit of flat place in an ICF coach?
 (a)60mm (b)30mm **(c)50mm** (d)40mm
116. What is the colour of group B springs?
 (a)Red **(b) Yellow** (c) Green (d) Blue
117. While the coach is negotiating curve, the bogie can move around having the pivot point at _____
 a) Side Bearer centre **(b) Centre –pivot** (c) centre of the axle (d) Dash pots springs
118. Why is two stage suspension preferred over single stage suspension?
 (a) to keep un-sprung masses low (b) to provide greater isolation of vibrations
(c) both A and B (d) none of the above
119. Which of the following part is not provided in an ICF trolley?
(a) Dashpot (b) side bearer (c) shock absorber **(d) draglink**
120. Maximum permissible clearance between brake gear pin and bushes is –
 (a)0.5mm (b)1.0mm **(c)1.5mm** (d)2.0mm
121. In ICF coach the load transmission takes place through –
 (a) Center pivot (b) bogie **(c) Side bearer** (d) wheel
122. The 'L' type composite brake block should be changed, if worn out beyond –
(a)10mm (b)15mm (c)20mm (d)22mm
123. The 'K' type composite brake block should be changed, if worn out beyond –
 (a)10mm **(b)12mm** (c)20mm (d)22mm
124. Standard Packing pieces of ICF coach are –
 (a)13,14,26mm (b)13,22,28mm **(c)13,26,48 mm** (d)22,26,32mm
125. The standard thickness of compensating rings is –
 (a) 2mm (b)4mm **(c) 6 mm** (d) 8mm
126. What is the purpose of manipulator?
 (a) For testing roller bearing **(b) For down hand welding**
 (c) For ROH (d) For brake ring adjustment
127. What is the distance between axle box top and axle box crown bolt called?
 (a) **Clearance A** (b) Clearance B (c) clearance C (d) None of the above
128. The top and bottom flange thickness of 16.25 tons axle load bogie is –
 (a)14mm **(b)16mm** (c)15mm (d) 20mm
129. Initially the 16.25 tons axle load bogie is used in _____ coaches only?
 (a) WGS **(b) AC** (c) WGSCN (d) Non AC
130. Axle load capacity generator (WLLRM) coach is ?
 (a) 16 tons **(b)16.25 tons** (c)15 tons (d) 20.30 tons
131. The top and bottom flange thickness of 13 tons load bogie is ?
 (a)14mm **(b)12mm** (c)15mm (d) 20mm
132. 13 tons axle load bogies are used in _____ coaches?
 a) VPH (b) AC (c) Power car **(d) Non AC**
133. What is the size of direct mounted roller bearing journal of ICF bogie?
 (a)125X111mm **(b)120X113.5mm** (c)125X130mm (d) 130X100mm
134. Condemning flange thickness in a high speed ICF coach is –
 (a) 14mm (b)13mm **(c)22mm** (d) 10mm
135. Lateral movements of wheels controlled by
 (a) **axle guide** (b) journal center (c) roller bearing (d) dashpot
136. Bogie wheel base of ICF/RCF all coil bogies are –
(a)2896 mm (b)2986mm (c)2886 mm (d) 2997mm

137. What is the new wheel diameter of ICF/RCF coach is—
 (a)910mm (b)**915 mm** (c)930 mm (d) 925mm
138. Min shop issue size of ICF solid wheel is a-
 (A)**837 mm** (b)870mm (c)854 mm (d) 846mm
139. Flange thickness of new BG wheel coach is—
 (A)28mm (b)**28.5mm** (c)29.5mm (d) 27.5mm
140. Condemning flange thickness of other than super fast BG wheel is—
 (a)28mm (b)20mm (c)**16mm** (d) 14mm
141. What is the frequency for doing sample testing of effluent of Bio-Toilet?
 (a) 100 days (b)**90 days** (c)180 days (d) 120days
142. Condemning height of flange on thread on BG wheel is—
 (a)30mm (b)32mm (c)34mm (d) **35mm**
143. To disinfect the discharged water which of the following is provided in Bio-Toilet?
 (a) Chlorine tablet (b) $KMnO_4$ Tablet (c) **Any of the above** (d) None of the above
144. Total length of axle is—
 (a)2310+0.5/-0.0mm (b) **2316+0.5/-0.0mm**
 (c)2318+0.5/-0.0mm (d) 2320+0.5/-0.0mm
145. On ICF journal, a taper should not exceed—
 (a)0.010/0.015mm (b)**0.015/0.010mm** (c)0.010/0.025mm (d) none
146. On ICF journal, out of roundness (ovality) must not exceed-
 (a)0.010/0.015mm (b)0.015/0.010mm (c)**0.015/0.020mm** (d) none
147. What is the capacity of equalizing stays used in shatabdi express?
 (a) 22 tons (b)20 tons (c)**16 tons** (d) 14 tons
148. The clearness between pin and bushes should not exceed
 (a) 1mm (b)0.5mm (c)**1.5mm** (d) none
149. What is amount of the oil per side bearer in ICF coaches?
 (a)1.2 lts (b)1.6 lts (c)**2.5 lts** (d) 2.2 lts
150. With which component of the trolley, the lateral longitudinal guides of ICF bogie are mounted?
 (a)**dashpot** (b) side bearer (c) CBC (d) spring
151. What is the distance between side bearer of ICF coach?
 (a)1560mm (b)1590mm (c)**1600 mm** (d) 1610mm
152. What types of brake blocks are used in coaching stock?
 (a) L type (b)**K type** (c) C type (d) All types
153. In released position, the gap between brake block and wheel is
 (a) 3mm (b)4mm (c)**5 mm** (d) 7mm
154. What is the oil level in dashpot?
 (a)50mm (b)**40 mm** (c)75mm (d) 90mm
155. What is the amount of oil per dash pot in 40- mm depth in modified guide arrangement?
 (a)**1.6 lts** (b)2.5 lts (c)2.2 lts (d) 1.9 lts
156. In ICF & RCF bogies, the total height of primary spring and compensating spring should not exceed----
 (a)285mm (b)290mm (c)**295mm** (d) 300mm
157. The minimum clearance between the axle box lugs and their safety straps is-
 (a)36mm (b)**40 mm** (c)44mm (d) 43mm
158. The crown clearance "A" between the axle box crown and their bogie frame of GS, SLR, SCN, VPH, coaches is-
 (a)40±2mm (b)**43+0/-3 mm** (c)42±0/4mm (d) 45±2mm

159. In WGACCW and WGACCN coaches, the crown clearance between the axle box crown and the bogie frame is—
 (a) 30±2mm (b) 30±5mm (c) **27+0/-3 mm** (d) 25±0/3mm
160. What is the bolster weight of ICF bogie?
 (a) 0.234t (b) **0.400t** (c) 0.486 t (d) 0.513t
161. How many holes are provided in the guide cap in ICF/RCF bogie?
 (a) 5 (b) 7 (c) **9** (d) 11
161. What is the diameter of guide cap hole in ICF/RCF bogie?
 (a) 4mm (b) 3mm (c) **5 mm** (d) 7mm
162. Center pivot pin does not transmit—
 (a) Horizontal load (b) tractive force (c) Braking force (d) **vertical force**
163. New dimension of side bearers wearing plate is—
 (a) **10 mm** (b) 12mm (c) 14mm (d) 16mm
164. Condemning size of side bearer wearing plate is—
 (a) 10mm (b) 9mm (c) **8.50 mm** (d) 7.50mm
165. Dimension of a new side bearer wearing piece is—
 (a) **45 mm** (b) 44mm (c) 43mm (d) 42mm
167. What is the condemning size of side bearer wearing piece?
 (a) 45mm (b) 44mm (c) 43mm (d) **42mm**
168. Length of the anchor link is
 (a) 445±1mm (b) 450±1mm (c) **451±1mm** (d) 455±1mm
169. Which mechanism is provided to control the speed of the coach by transferring the braking force from brake cylinder to the wheel thread?
 (a) **Brake rigging** (b) push rod (c) anchor link (d) brake cylinder
170. New size of hanger block of BSS hanger is—
 (a) **9.5 mm** (b) 10.5mm (c) 8.5mm (d) 9mm
171. What is the wear limit of hanger block of BSS hanger?
 (a) 1.0mm (b) 2.0mm (c) **1.5mm** (d) 3.0mm
172. Wear limit of BSS brackets is—
 (a) 0.5mm (b) **1mm** (c) 1.5mm (d) 2mm
173. Longitudinal gauge for BSS bracket of 13 t bogie is—
 (a) **1400±1 mm** (b) 1300±1mm (c) 1500±1mm (d) 1450±01mm
174. Longitudinal gauge for BSS bracket of 16.25-t bogie is—
 (a) 1400±1mm (b) **1500±01mm** (c) 14500±01mm (d) 13000±01mm
175. Diagonal gauge for bracket of 13 t bogie is—
 (a) 2687±1mm (b) **2573±1mm** (c) 2159±1mm (d) 2159±1mm
176. Diagonal gauge for BSS bracket of 16.25 t bogie is—
 (a) 2573±1mm (b) 2687±1mm (c) **2629±1 mm** (d) 3612±1mm
177. Longitudinal gauge for axle guide of 13 t bogie—
 (a) **570±1 mm** (b) 580±1mm (c) 590±1 mm (d) 595±1mm
178. Longitudinal gauge for axle guide of 16.25 t bogie—
 (a) 580±1mm (b) **570±1mm** (c) 590±1 mm (d) 575±1mm
179. Diagonal gauge for axle guide of 13 t and 16.25 t bogie is—
 (a) 3912±1mm (b) 3812±1mm (c) 3712±1 mm (d) **3612±1mm**

180. Distance between BSS bracket and adjacent axle guide of 13 t bogie is—
(a)463±1 mm (b)453±1mm (c)455±1 mm (d) 413±1mm
181. Distance between BSS bracket and adjacent axle guide of 16.25 t bogie is—
(a)463±1mm (b)453±1mm (c)455±1 mm **(d) 413±1mm**
182. Inside diameter of anchor link silent block in is—
(a)25 mm (b)30mm (c)32mm (d) 35mm
183. Outer diameter of anchor link silent block is—
(a)85.5mm (b)87.5mm **(c)90.5mm** (d) 91.5mm
184. Diameter for new pins for 16.25 t load bearing capacity equalizing stay is
(a)31(+05/-0.2mm) (b)33(+0.5/-0.3mm) (c) 35±1.0 mm (d) 30±1.0mm
185. Diameter for new pins for 13 t axle load bearing capacity equalizing stay is—
(a)31±1.0mm (b)25±1.0mm **(c)24±0.2/-0.1mm** (d) 20±0.51mm
186. All the hangers should be tested to the tensile load of—
(a)10t **(b)8t** (c)7t (d) 6.5t
187. Inside distance between horizontal bearing arms of BSS hanger is—
(a)374mm (b)378mm (c)381 mm **(d) 384mm**
188. Thickness of vertical arm of BSS hanger is—
(a)20.05mm **(b)25.5 mm** (c)30.5mm (d) 23.5mm
189. Horizontal bearing surface of BSS hanger is—
(a)42 mm (b)44mm (c)45mm (d) 48mm
190. The maximum diametrical clearance between the pins and bushes is—
(a)1.0mm **(b)1.5 mm** (c)1.2mm (d) 1.4mm
191. The maximum diametrical clearance between the lower spring seat and guide bush should not exceed—
(a)1.4mm (b)1.5mm **(c)1.6mm** (d) 2.0mm
192. Minimum clearance between the lugs and bottom safety straps is—
(a)40 mm (b)42mm (c)45mm (d) 48mm
193. Weight of the AC ICF bogie is—
(a)12.80t (b)480 t **(c)6.2t** (d) 7.22t
194. Length of the brake block hanger from center to center is—
(a)235±0.5mm (b)238±1mm (c)236±1 mm (d) 224±1mm
194. In which type of brake system external slake adjuster has been eliminated?
(a) BMBC (b)UMBS (c)BMBS&UMBS (d)none
195. How many brake cylinders are fitted in an ICF under slug brakesystem?
(a)4 **(b)2** (c)1 (d)none
196. What is the bogie leverage ratio of WGACCW coach?
(a)1.14:2 **(b)1.5:5** (c)1.7:5 (d)1.10:1
197. Wear limit of equalizing stay pins is—
(a) upto1.0mm (b) upto1.5mm (c) upto2.0mm (d)none

198. Between which of the components the equalizing stay rod is fitted?
 (a) SAB head to control rod **(b) Bolster and lower spring plank**
 (c) bolster and bogie transoms (d) none
199. Where is anchor link fitted in a bogie?
(a) bolster and bogie transom (b) bolster stay rod and plank
 (c) equalizing stay rod and plank (d) none
200. The color code of helical spring of ICF bogie is—
(a) yellow, blue, green (b) Yellow, red, green (c) White, blue, green (d) White, red, green
201. What type of axle guidance arrangement is used in ICF/RCF bogie?
 (a) oil clamping **(b) telescopic axle guide with oil damping**
 (c) vertical oil damping (d) Pneumatic axle guide
202. Between which components is crown clearance “A” measured?
(a) Between bolster and side frame (b) Between anchor link and primary suspension
(c) Between axle box crown and the crown bolt (d) none
203. One of the functions of anchor links is—
 (a) to join bolster and side frame **(b) to prevent rotational movement of bolster**
 (c) to connect with upper plank and lower plank (d) none
204. With which load is primary spring checked?
 (a) 3 tons (b) 4 tons (c) 3.5 tons **(d) 3.8 tons**
205. What is the free height of 13 tons bolster spring?
(a) 385 mm (b) 415 mm (c) 405 mm (d) 420 mm
206. Free height of 16.25 tons AC coach bolster spring is—
 (a) 385 mm (b) 390 mm **(c) 400 mm** (d) 410 mm
207. What is the free height of 16.25 tons or AC coach axle box spring—
 (a) 360 mm (b) 365 mm **(c) 375 mm** (d) 380 mm
208. What is the free height non AC coach or 13 t axle box spring?
 (a) 355 mm **(b) 360 mm** (c) 367 mm (d) 370 mm
209. What is the inside length of a new bolster spring suspension hanger?
 (a) 380 mm **(b) 384 mm** (c) 386 mm (d) 388 mm
210. What is the new diameter of B.S.S hanger pin?
 (a) 35 mm (b) 36 mm **(c) 37 mm** (d) 39 mm
211. What is the condemning diameter of B.S.S hanger pin?
 (a) 35 mm **(b) 35.5 mm** (c) 36 mm (d) 36.5 mm
212. At what load is 16.25 tons AC coach bolster spring checked?
(a) 4.8 tonnes (b) 6.6 tonnes (c) 8.6 tonnes (d) 10.0 tonnes
213. Free height of high capacity parcel van axle box spring is—
 (a) 375 mm (b) 360 mm (c) 337 mm **(d) 315 mm**
214. Free height of high capacity parcel van bolster coil spring is—
 (a) 375 mm (b) 386 mm **(c) 393 mm** (d) 286 mm
215. What is the colour code of ‘A’ group coil springs?
(a) Yellow (b) red (c) oxford blue (d) White

216. What is the colour code of 'B' group coilsprings?
(a) Oxfordblue (b)white (c)green (d)yellow
217. What is the colour code of 'C' group coilsprings?
(a)oxfordblue (b)white **(c)green** (d)yellow
218. The capacity of hydraulic shock absorbers other than those power car is–
(a) ± 600 kg at a speed of 10cm/sec (b)± 500 kg at a speed of 10 cm/sec
(c)± 45 kg at a speed of 15 cm/sec (d)None of the above
219. Double acting telescopic type shock absorbers are used in?
(a)Primary suspension **(b) secondary suspension**
(c) primary & secondary suspension (d)none
220. Which of the following is not the feature of a CASNUB bogie?
(a) cast steel H frame bogie
(b) floating bolster
(c) primary suspension with long links and laminated springs
(d) Wedge type load proportional friction snubbing
221. Which of the following is not the feature of a diamond frame bogie?
(a) only secondary suspension consisting of coil nest of four outer and four inner springs
(b) floating bolster carrying center pivot and side bearer
(c) un damped suspension
(d) cylindrical roller bearing
222. Why are elastomeric pads provided?
(a) to reduce wheel flange wear (b) to improve ride index
(c) to increase buffer height (d) all the above
223. The composite brake block for air brake trains should be changed in the yard, when its thickness reaches–
(a) 10 mm (b) 15mm (c) 20mm (d) 25mm
224. The Std. gap between wheel and brake block in BOX wagon is–
(a) 8mm (b) 8.5mm **(c) 6.25 mm** (d) 6.8mm
225. minimum pressure required for door operation on BOBR wagon is–
(a) 5.0kg/cm² **(b) 4.92kg/cm²** (c) 3.9kg/cm² (d) 6.3kg/cm²
226. Which type of composite brake block is used in freight stock of under frame mounted brake system?
(a) 'K' type **(b) 'L' type** (c) 'KL' type (d) 'modified K' type
227. On RDSO recommendations, which material is now used in BVG brake vans in place of wood dust bag?
(a) Glass wool (b) Cottonwood (c) steelwood (d) none
228. Which RDSO's technical pamphlet is referred to find instructions for maintenance of BOX wagon?
(a) G-71 (b) G-73 (c) G-18 **(d) G-16**
229. Which RDSO's technical pamphlet is referred to find instructions of BOXN wagon fitted with CASNUB bogies and twin pipe air brake system?
(a) G-90 **(b) G-70** (c) G-97 (d) WT-77
230. Which RDSO's technical pamphlet is referred to find instructions for inspection and maintenance of BOBR wagons?
(a) G-73 (b) G-78 (c) G-97 (d) G-16

231. Which RDSO's technical pamphlet is referred to find instructions for inspection and maintenance of CASNUB bogies?
 (a) G-97 (b) G-86 (c) G-90 **(d) G-95**
232. Maximum diameter of wheel on tread on BOXN wagon is-
 (a) 1010mm **(b) 1000mm** (c) 950mm (d) 906mm
233. Minimum diameters of wheel on tread on BOXN wagon during service is
 (a) 1000mm (b) 960mm **(c) 906mm** (d) 915mm
234. The axle load of BOXN, BCN, BOBR, BTPN wagon is-
 (a) 22.9t **(b) 20.32t** (c) 16.3t (d) 12.2t
235. The wheel gauge should be measured on-
(a) Offload condition (b) Loaded wagon (c) Either (a) or (b) (d) Empty wagon
236. The condemning diameter of wheel of BOY wagon is-
 (a) 990mm **(b) 906mm** (c) 813mm (d) 860mm
237. The new diameter of wheel for BOY wagon is-
 (a) 990mm (b) 1090mm **(c) 1000mm** (d) 915mm
238. The condemning diameter of BOBR wheel is-
 (a) 815mm **(b) 906mm** (c) 990mm (d) 860mm
239. The condemning diameter of BTPN wheel is-
 (a) 813mm (b) 990mm **(c) 906mm** (d) 860mm
240. The condemning diameter of BWL wheel is-
 (a) 840mm (b) 906mm (c) 915mm **(d) 780mm**
241. The radius at the root of the flange of new worn wheel profile is-
(a) 14mm (b) 16mm (c) 18mm (d) 120mm
242. Permissible maximum flat surface on tread on other BG wagon are
 (a) 75mm **(b) 60mm** (c) 75mm (d) 70mm
243. The wheel gauge measures-
(a) the distance between the flanges of two wheels on same axle.
 (b) the distance between disc and axle
 (c) the distance between journal and bearings
 (d) the distance between two wheels
244. Which of the following is an integrated portion of an axle?
 (a) Cap (b) roller bearing **(c) journal** (d) none of these
245. Permissible thickness of CASNUB bogies composite brake block while leaving yard is-
(a) 20 mm (b) 10mm (c) 9mm (d) 8mm
246. What is the permissible variation in a group for load bearing & sunbberspring?
 (a) 2mm **(b) 3mm** (c) 4mm (d) 5mm
247. What is the Std. thickness of brake block of BOXN wagon is-
 (a) 52mm (b) 54mm (c) 56mm **(d) 58mm**
248. How many side frames are fitted in a CASNUB trolley/bogie?
(a) 2 (b) 1 (c) 3 (d) nil
249. What is the axle load of CASNUB trolley except CASNUB 22Hs?
 (a) 19.2t (b) 22.9t **(c) 20.3t** (d) 20.9t
250. What is the new wheel diameter of CASNUB 22W retrofitted?
 (a) 1000mm (b) 960mm **(c) 956mm** (d) 946mm

251. What type of side bearers are fitted in a CASNUB 22W(M)bogie?
 (a) **CCtype** (b)springtype (c)rollertype (d) none ofthese
252. What type of side bearers are fitted in CASNUB 22Wbogie?
 (a) CCType (b)**rollertype** (c)EM type (d) none ofthese
253. What type of pivot is used in a CASNUB 22Wtrolley?
 (a) **IRStype** (b)sphericaltype (c)othertype (d)none
254. What type of pivot is used in a CASNUB 22W(M), 22NL and other type of CASNUBtrolley?
 (a)IRStype (b) **UICsphericaltype** (c)outertype (d)none
255. What is the nominal lateral clearance between side frame& bolster in CASNUB22HS?
 (a)18mm (b)10mm (c)**25mm** (d) 22mm
256. What is the nominal lateral clearance between side frame & bolster in CASNUB 22W, 22WM, 22NL, 22NLB?
 (a)16mm (b)11mm (c)**18mm** (d) 20mm
257. What is the nominal longitudinal clearance between side frame& adopter of CANUB22W (M) bogie?
 (a) 5mm (b)8mm (c)**10mm** (d) 12mm
258. What is the nominal longitudinal clearance between side frame & adopter of CASNUB 22w (Retro)trolley
 (a) **2mm** (b)4mm (c)6mm (d)nil
259. What is the nominal lateral clearance between side frame & adopter of CASNUB 22NLB, 22HSbogie?
 (a)18mm (b)**16mm** (c)22mm (d)25mm
260. What is the standard inclination on wheel tread used in CASNUBbogie?
 (a) **1in20** (b) 1in22 (c) 1in18 (d) 1 in25
271. What is the condemning wheel diameter in all CASNUB versions?
 (a)916mm (b)**906mm** (c)936mm (d)963mm
272. What the condemning dimensions of narrow jaw/wide Adopter thrust shoulder?
 (a)0.4mm (b)0.6mm (c)**0.7mm** (d)0.9mm
273. What is the lateral clearance between side frame & Axle box/adopter CASNUB 22w,22w(m)
 (a)18mm (b)16mm (c)22mm (d)**25mm**
274. What is the condemning/wear limit of narrow/wide jaw adopter crownlugs ?
 (a) 2mm (b)**4mm** (c)6mm (d)8mm
275. What is the dimensions of new wide jaw adopter crownlug?
 (a)155m (b)**156mm** (c)154mm (d)152mm
276. What is the dimension of new narrow jaw adopter crown lugs?
 (a)154.5mm (b) **155.5mm** (c) 156.5mm (d)157.5mm
277. What is the wear limit of wide /narrow jaw adopter crownseat?
 (a)2.5mm (b)**3.5mm** (c)4.5mm (d)5.5mm
278. What is the dimension of new wide jaw adapter bore seat to crown seat?
 (a)46.5mm (b)47.5mm (c)**48.5mm** (d)49.5mm
279. What is the dimension of new narrow jaw adepter bore seat to crown seat?
 (a)25.2mm (b)**26.2mm** (c)28.5mm (d)27.5mm
280. What is the dimension of new modified wide jaw adepter bore seat to crown seat?
 (a)20.5mm (b)**25.5mm** (c)30.5mm (d)35.5mm
281. Worm limit of wide jaw adepter bore seat to crown seat is–
 (a)**45mm** (b)247mm (c)48mm (d)49mm

282. Condemning limit of modified wide jaw adapter bore seat to crown seat is—
(a)25mm (b)**22mm** (c)27mm (d)29mm
283. Condemning limit of narrow jaw adapter bore seat to crown seat is—
(a)20mm (b)22.5mm (c)**22.7mm** (d)24.5mm
284. How many type of adapter are used in CASNUB trolley?
(a)2 (b)1 (c) **3** (d)4
285. The condemning size of brake block of goods stock is—
(a)30mm (b)**10mm** (c)20mm (d)15mm
286. Free camber of 10 plated laminated spring of BOX type wagon is—
(a) **47+6/-0mm** (b)49mm (c)52mm (d)58mm
287. Nominal free height of inner spring of CASNUB bogie except to HS is —
(a)260mm (b)**262mm** (c)264mm (d)266mm
288. What is the nominal thickness of elastomeric pad of CASNUB bogie?
(a)49mm (b)**46mm** (c)48mm (d)52mm
289. Condemning size of elastomeric pad for CASNUB bogie is—
(a)44mm (b)43mm (c)**42mm** (d)40mm
290. Nominal dimension of side bearer rubber pad for CASNUB bogie is —
(a)**114mm** (b)116mm (c)118mm (d)120mm
300. Condemning size of side bearer rubber pad for CASNUB bogie is —
(a)111mm (b)110mm (c)**109mm** (d)108mm
301. IS ---spec of lubricant used to lubricant center pivot of the CASNUB trolley?
(a) **IS:495** (b)Is;449 (c)IS:455 (d)None of above
302. New dimension of side frame anti – rotation lug for all CASNUB bogie is—
(a)520mm (b)**522mm** (c)524mm (d)528mm
303. Which of the following is the maintenance manual of CASNUB bogie ?
(a)G97 (b)G80 (c)**G95** (d)G72
304. New pedestal crown for 22NL/NLB/HS CASNUB bogie is
(a)300mm (b)320mm (c)**323mm** (d)330mm
305. Condemning dimension of side frame anti rotation lug for all CASNUB bogies is
(a)530mm (b)522mm (c)**528mm** (d)524mm
306. Wear limit of pedestal side for CASNUB bogie is—
(a)1mm (b)**2mm** (c)4mm (d) None of above
307. New dimension of all CASNUB bogie crown side is—
(a)151mm (b)**152mm** (c)154mm (d)155mm
308. New dimension of 22W, 22W(M) CASNUB bogie pedestal side is —
(a)100mm (b)**105mm** (c)110mm (d) None of above
309. New dimension of 22NL/NLB/HS CASNUB bogie pedestal side is—
(a)80mm (b)85mm (c)**81mm** (d)82mm
310. Wear limit of pedestal crown roof for CASNUB bogie is—
(a)4mm (b)**5mm** (c)6mm (d)3mm
311. New pedestal crown roof for 22W(M) CASNUB bogie is—
(a)310mm (b)**318mm** (c) 320mm (d)322mm

312. Distance between new pedestal jaw (long) of CASNUB bogie is–
(a)230mm (b)232mm (c)234m **(d)236mm**
313. Wear limit of pedestal jaw (long) of 22NL/NLB/HS CASNUB bogie is–
(a)2mm (b)3mm **(c)4mm** (d)5mm
314. Distance between new pedestal jaw (short) of 22NL/NLB/HS CASNUB bogie is –
(a)182mm (b)186mm (c)188mm **(d)190mm**
315. New dimension of pedestal jaw CASNUB 22W, 22W(Retro) bogie is–
(a)270mm (b)272mm (c)268mm (d)190mm
316. New dimension of pedestal jaw for CASNUB 22W(M) bogie is –
(a)270mm (b)274mm **(c) 278mm** (d)290mm
317. Wear limit of crown sides for CASNUB bogieis-
(a)4.0mm (b)3.0mm (c)2.0mm (d)5.0mm
318. New dimensions of bolster column inner gibs of all CASNUB bogies is –
(a)144mm **(b)136mm** (c)138mm (d)132mm
319. Wear limit of bolster column inner gids of all CASNUB bogie is –
(a)2.0mm **(b)5.0mm** (c)6.0mm (d)8.0mm
320. New dimensions of over bolster land surface of all CASNUB bogie is–
(a)444mm (b)446mm (c)448mm (d)450mm
321. New dimension of over rotation stop lugs of all CASNUB bogie is-
(a)516mm **(b)518mm** (c)520mm (d)522mm
322. Wear limit of bolster land surface of all CASNUB bogie is–
(a)2.0mm **(b)3.0mm** (c)5.0mm (d)7.0mm
323. Wear limit of bolster rotation stop lug of all CASNUB bogie is–
(a)1.0mm (b)2.0mm **(c)3.0mm** (d)5.0mm
324. Nominal free height of snubber spring of CASNUB bogie except 22 HS is –
(a)260mm (b) 270mm (c)282mm **(d)294mm**
325. Nominal free height of inner spring of CASNUB 22 HS bogie is–
(a)261mm (b)252mm **(c)243mm** (d)246mm
326. Nominal free height of sunbber spring of CASNUB 22 HS bogie is –
(a)291mm (b)294mm (c)296mm **(d)293mm**
327. New dimension of bolster column outer gibs of CASNUB bogie is –
(a)224mm **(b)234mm** (c)244mm (d)246mm
328. New dimension of bolster column outer gibs of CASNUB 22Hs bogie is
(a)232mm (b)236mm **(c)241mm** (d)251mm
329. Wear limit of bolster column outer gids of CASNUB bogie is –
(a)2.0mm (b)3.0m **(c)5.0mm** (d)6.0mm
330. New dimension of friction shoes wedge block of CASNUB bogie is–
(a)60mm (b)62mm (c)63mm **(d)61mm**
331. Condemning limit of friction shoes wedge block of CASNUB bogie is–
(a)54mm (b)56mm (c)58mm (d)8.0mm
332. Wear limit of vertical surface in friction shoes wedge block of CASNUB bogie is –
(a)5.0mm (b)6.0mm **(c)7.0mm** (d)8.0mm
333. Wear limit of slope surface in friction shoes wedge block of CASNUB bogie is –
(a)1.0mm (b)2.0mm **(c)3.0mm** (d)4.0mm
334. Normal free height of outer spring of CASNUB bogie is exceptHS

(a) **260mm** (b) 262mm (c) 264mm (d) 266mm

335. What type of side bearer is fitted in CASNUB 22HS trolley?

(a) Metal CC type **(b) Spring loaded CC type side bearer & PU type**
(c) Rollertype (d) None of the above

336. What shall be tolerance permitted between door centerline to door hinge in a new wagon?

(a) +2/-1mm (b) +2.5/-1.5mm **(c) ±1.5mm** (d) ±2.5mm

337. The BOXN bogie is designed for an axle load of ?

(a) 22.1t **(b) 20.3t** (c) 21.9t (d) 16.8t

338. The primary lock clearance of BOBR door is—?

(a) 3mm **(b) 5mm** (c) 7mm (d) 4mm

339. Which of the following design improvements have been made in ICF coaches to avoid corrosion?

(a) Provision of elongated holes between pillars in sidewall.
(b) Tubular structure below the lavatories.
(c) Provision of teakwood floor boards below the lavatories floor.
(d) All of the above

340. Which of the following steps have helped in controlling corrosion in ICF coaches?

(a) Skirting of decolite in the compartment and lavatory.
(b) Sole bar in doorways strengthened by box section.
(c) Larger opening at the bottom of body doors with removable inside panel for inspection.
(d) All of the above.

341. Which of the following are helpful in preventing the corrosion in an ICF coach?

(a) Increased size of drain hole on trough floors (13mm to 29mm)
(b) End lavatories in all layouts.
(c) Stainless steel trough floors.
(d) All of the above

342. Based on Indian Railways Experience with operation of double headed trains, an updated Design of enhanced screw coupling was evolved. The ultimate strength of enhanced Coupling is

(a) 60t **(b) 112t** (c) 71.12t (d) 36

343. What is the working capacity of enhanced capacity screw coupling?

(a) 36.0t (b) 32t (c) 28t (d) 38.3t

344. When is transition coupling / baby coupling used?

(a) For connecting a loco with a wagon (b) To connect diesel loco with an electric loco
(c) To detach container wagons **(d) For connecting CBC and screw coupling**

345. What is the purpose of draft gear?

(a) To provide telescopic features in the coach.
(b) Offers considerable resistance to longitudinal crushing loads.
(c) To work as a cushion to smoothen the shocks during impact between vehicles.
(d) To transmit tractive force without shock.

346. What is the purpose of buffing gear?

(a) To provide telescopic features in the coach.
(b) Offers considerable resistance to longitudinal crushing loads.
(c) to work as a cushion to smoothen the shocks during impact between vehicles
(d) To transmit tractive force without shock

347. Through which arrangement the tractive/ braking force from the coach are transferred to bogie?

(a) Anchor link arrangement (b) Draw gear arrangement

(c) Buffing arrangement (d) Pivot pin arrangement

348. In ICF coach, replace Headstock if the thickness is reduce more than ?

(a) 2mm (b) 8mm (c) **4mm** (d) 6mm

349. Where has been distraction tube provided in ICF/RCF coaches?

(a) **Between main head stock and auxiliary head stock** (b) Outer main headstock
(c) with auxiliary headstock (d) None of the above

350. The maximum standard buffer height above rail level to buffer is

(a) 1085mm (b) 1100mm (c) **1105mm** (d) 1030mm

351. The minimum standard buffer height above rail level to center of buffer is –

(a) 1105mm (b) 1145mm (c) 1115mm (d) **1030mm**

352. standard buffer projection from Headstock is–

(a) 650mm (b) **635mm** (c) 620mm (d) 660mm

354. Minimum permissible buffer projection from Headstock is–

(a) 635mm (b) 605mm (c) 590mm (d) **584mm**

355. The diameter of buffer plunger face of ICF coaches is–

(a) 552mm (b) **457mm** (c) 493mm (d) 510mm

356. What is the distance between two buffers at one end?

(a) 1952mm (b) 1976mm (c) **1956mm** (d) 1992mm

357. What is the maximum buffer plunger stroke in mm?

(a) **127.0mm** (b) 129.0mm (c) 131.0mm (d) 133.0mm

358. The ICF buffer plunger is made of–

(a) Mildsteel (b) Cast iron (c) **Caststeel** (d) Aluminum Alloy

359. What is the slot of draft key in drawbar hook in ICF coach?

(a) 36.0mm (b) 37.0mm (c) **38.0mm** (d) 39.0mm

360. The draw & buffing force transmission in coach is–

(a) **Center pivot** (b) Bogie (c) side bearer (d) wheel

361. What is Arc radius of buffer face?

(a) 1505mm (b) **1905mm** (c) 1305mm (d) 1205mm

362. Nominal diameter of draw gear pin is ?

(a) 25.0mm (b) 30.0mm (c) **31.0mm** (d) 36.0mm

363. The projection of the shoulder on the draw hook from the Headstock is within–?

(a) 80 to 100mm (b) 92 to 110mm (c) **92 to 120mm** (d) 100 to 120mm

364. Enhance capacity of buffer specification No: IRS-M 10 are fitted in all BG maintenance coach is-

(a) 910kg.m (b) **1030kg.m** (c) 1210kg.m (d) 1290kg.m

365. Nominal thickness of buffer casing body wall is-

(a) 9.50mm (b) 10.50mm (c) **11.50mm** (d) 13.50mm

366. What is wear limit of buffer casing body wall?

(a) 2.50mm (b) 3.50mm (c) 4.50mm (d) **5.50mm**

367. Maximum nominal thickness of buffer plunger tube wall is?

(a) 4.0mm (b) **9.0mm** (c) 13.0mm (d) 16.0mm

368. Maximum nominal thickness of plunger faceplate in ICF type buffer is—
 (a)**19.0mm** (b)22.0mm (c)24.0mm (d)26.0mm
369. Wear limit of plunger face plate in ICF type bufferis- ?
 (a)9.0mm (b)**11.0mm** (c)12.0mm (d)13.0mm
370. Wear limit of buffer plunger table wall in ICF type bufferis-
 (a)2.0mm (b)**4.0mm** (c)6.0mm (d)8.0mm
371. In buffer casing, the vertical distance of holes from centre of buffer is—
 (a)**60.3±0.2mm** (b)62.3±0.5mm (c)59.3±0.2mm (d)61±0.4mm
372. In buffer casing, the horizontal distance of holes from centre of bufferis-?
 (a)163.5±0.2mm (b)169.3±0.4mm (c)**174.5±0.2mm** (d)176.3±0.2mm
373. What is the weakest link of the H type tight lock center buffer coupler?
 (a)draftgear (b)**knuckle** (c)lock (d)yokepin
374. How many auxiliary Headstocks are provided in an ICFshell?
 (a)02 (b)03 (c)**04** (d)08
375. Thickness of the auxiliary Headstockis-
 (a)**8/10mm** (b)12/15mm (c)15/18mm (d)none
376. Destruction tube is provided insidethe-
 (a)**Buffer** (b)Headstock (c) under solebar (d)None
377. The maximum difference in buffer height on same head stockis-
 (a)59.0mm (b)**64.0mm** (c)69.0mm (d)74.0mm
378. What type of draw gear is used in brake van goods(BVG)?
 (a)Screwcoupling(b)**CBC** (c)HTcoupling (d)NT coupling
379. Buffer center stiffener is providedbetween-
 (a) **Main Headstock &auxiliaryheadstock** (b) Over mainheadstock
 (c) End panel &solebar (d)none of theabove
380. At present all new coaches are being manufactured with bogie mounted air brake systemand-?
 (a) **Enhance capacitydrawgear** (b) Load sensingdevice
 (c) Dualbrakesystem (d)None of theabove
382. ThemaximumpermissiblebufferheightaboveraillinetocenterofH/Stockunder loaded conditionis- ?
 (a)1105mm (b)1145mm (c)1115mm (d)**1030mm**
383. Standard buffer projection from Headstockis-?
 (a)650mm (b)**635mm** (c) 620mm (d)660mm
384. Min permissible buffer projection from Headstockis- ?
 (a)635mm (b)600mm (c)590mm (d)**584mm**
385. Standard diameter of knuckle pivot pinis- ?
 (a)50mm (b)43mm (c)**41.28mm** (d)34mm
389. Permissible diameter of knuckle pivot pinis-?
 (a)41mm (b) 38mm (c)**39.5mm** (d)40.5mm
390. Standard diameter of Clevis pinis-?
 (a)35mm (b)**38mm** (c)39mm (d)37mm
391. Permissible diameter of clevis pinis-?
 (a)35.8mm (b)38.5mm (c)**36.5mm** (d)37mm

392. Standard dimension of shank wear plate for AAR coupler is-?
 (a) 12mm (b) 8mm (c) **6mm** (d) 14mm
393. Standard dimension of distance between the nose of Knuckle and guard arm is-?
 (a) 140mm (b) 150mm (c) **127 mm** (d) 12mm
394. Wear limit of distance between the nose of knuckle and guard arm is-
 (a) 140mm (b) 155mm (c) 125mm (d) **130mm**
395. For goods train, max. Buffer height from rail level is-
 (a) **1105mm** (b) 1115mm (c) 1015mm (d) 1100mm
396. The maximum permissible free slack in the draft gear in service is-
 (a) 35mm (b) 30mm (c) **25mm** (d) 20mm
397. What is the weakest link of the center buffer coupler?
 (a) **Knuckle** (b) Draft gear (c) Lock (d) yoke pin
398. The high capacity draft gears is-
 (a) MK- 20 (b) **MK-50** (c) CF21 (d) DF39
399. The high capacity of draft gears is-
 (a) **RF361** (b) RF-401 (c) RF-600 (d) RF-21
400. To Adjust buffer height for 930mm wheel diameter on BCN wagon except CASNUB 22W, packing piece used is-
 (a) 38mm (b) **37mm** (c) 33mm (d) 32mm
401. What type of center buffer coupler used in Indian railway?
 (a) ARPT type (b) AARP type (c) **AAR type** (d) ARPAType
402. What type of head and shank are used in AAR type center buffer coupler?
 (a) E&G type (b) **E&F type** (c) F&E type (d) H&F type
403. The yield strength of knuckle of material AAR-M-201 Grade 'C' (STD) is-
 (a) 180t (b) 171t (c) 142 t (d) **132t**
404. The yield strength of knuckle of material AAR-M-201 Grade 'E' (HT) is-
 (a) **180t** (b) 171 t (c) 142t (d) 132t
405. The yield strength of coupler body of AAR Grade 'C' (STD) is -
 (a) 180 t (b) **169t** (c) 179t (d) 159t
406. The yield strength of coupler body of material AAR-M-211 Grade 'E' (HT) is-
 (a) 180t (b) 200 t (c) **205t** (d) 211t
407. The yield strength of the knuckle is 180 t compared to 132 t in standard coupler; the draft capacity of HT coupler is -
 (a) 45% higher (b) **36% higher** (c) 22% higher (d) 18% higher
408. The working strength of center buffer coupler is-
 (a) 100t (b) **120t** (c) 140t (d) 180t
409. The ultimate tensile strength of coupler body of AAR-M- 201&211 Grade 'C' (STD) is-
 (a) 300t (b) 320t (c) **290t** (d) 270t
410. The ultimate tensile strength of coupler body of AAR-M-201&211 Grade 'E' (HT) is-
 (a) **408 t** (b) 480t (c) 330 t (d) 370t
411. The ultimate tensile strength of knuckle of AAR-M-201&211 Grade 'C' (STD) is -
 (a) 240 t (b) 250 t (c) 241t (d) **251t**
412. The ultimate tensile strength of knuckle of AAR-M-201&211 Grade 'E' (HT) is-
 (a) 250t (b) 280t (c) **295t** (d) 305t
413. The conventional screw coupling has a proof load of-
 (a) 50.9t (b) **60.0t** (c) 74.3t (d) 40.3t

414. The working strength of center buffer coupler is—
 (a)180t (b)160t (c)**120t** (d) 80t
415. Which among the following buffer gear assemblies absorbs the buffer impact?
 (a) **Buffer Spring** (b) Plunger (c) Buffer Casting (d) Spindle
416. Material AAR-m-201&211 Grade 'E' coupler is called as—
 (a) **High Tensile** (b) Non-Tensile (c) Standard (d) None of the above
417. Clevis and Clevis pin are the part of ?
 (a) Alliance-II coupler (b) Non-transition coupler
 (c) **Transition coupler** (d) Drawbar
418. As per watering committee recommendations, what should be the ideal distance between two consecutive watering stations on BG system?
 (a) 80-120 Kms (b) 120-160 kms (c) 200-240 kms (d) **160-200 kms**
419. As per watering committee recommendations, the rate of flow at the delivery end of a hydrant should be more than?
 (a) 60 Lts/min (b) **100 Lts/min** (c) 40 Lts/min (d) 20 Lts/min
420. Which RDSO pamphlet is referred to find the description of water raising system to SK - 86209 and instructions for filling water for air brake coaches?
 (a) **C-9009** (b) C-9011 (c) C-9103 (d) C-9105
421. Water tank capacity of ICF coach is—
 (a) 1600 liters (b) **1800 liters** (c) 1500 liters (d) 2000 liters
422. Underslung tank capacity of roof mounted AC coaches fitted with WRA system is—?
 (a) **1600 liters** (b) 1700 liters (c) 1800 liters (d) 2000 liters
423. Overhead tank capacity of WRA system is—?
 (a) 100 liters (b) **200 liters** (c) 300 liters (d) 400 liters
424. Minimum air pressure required for WRA is—?
 (a) **0.35 kg/cm²** (b) 0.45 kg/cm² (c) 0.55 kg/cm² (d) 0.65 kg/cm²
425. How many non return valves are provided in ICF coach fitted with WRA system?
 (a) 03 (b) **05** (c) 07 (d) 08
426. Maximum air pressure required for WRA is—?
 (a) 0.35 kg/cm² (b) 0.55 kg/cm² (c) 0.65 kg/cm² (d) **0.75 kg/cm²**
427. Which of the following are the factors responsible for slow charging of B.P. pressure?
 (a) Leakage in B.P line for complete train more than 0.2 kg/cm²/min
 (b) Dirt /moisture in air supply resulting in the blockage of various coaches/passage of DV
 (c) Insufficient supply of air through compressor/loco
 (d) **All of the above**
428. e-dimension in freight stock is between ?
 (a) 615-655 mm (b) 350-400 mm (c) 410-465 mm (d) **555-575 mm**
429. During the process of charging, time required to raise CR pressure from 0 to 4.8 kg/cm² is _____ seconds.
 a) 100-160 sec (b) 60-100 sec (c) 280-340 sec (d) **160-280 sec**
430. During testing, brake release time is found out by recharging BP pressure to 5 kg/cm² and time taken to release BC pressure from 3.8 to 0.4 kg/cm². This should be within _____ Seconds in freight stock?
 (a) **15-20 sec; 45-60 sec** (b) 5-10 sec; 20-30 sec
 (c) 10-15 sec; 35-45 sec (d) 20-25 sec; 60-75 sec

431. While conducting Leakage Test, what is the prescribed leakage rate?
 (a) It should not be more than 0.14 kg/cm²/Min
 (b) It should not be more than 0.7 kg/cm²/Min
 (c) It should not be more than 0.4 kg/cm²/Min
(d) it should not be more than 0.2 kg/cm²/Min
432. The test to know the reaction of DV to a very less reduction of BP pressure i.e., when BP pressure is reduced at the rate of 0.6 kg/cm² in 6 seconds is known as _____
(a) Sensitivity test (b) Insensitivity test
 (c) Brake release test (d) Emergency braking test
434. The test to check that the brakes do not apply by reducing the pressure at The rate of 0.3 kg/cm² in 60 seconds is known as _____
 (a) sensitivity test **(b) insensitivity test** (c) Brake release test (d) Emergency braking test
435. Which item in C3W restricts the max. brake cylinder pressure to 3.8+0.1 kg/cm²?
 (a) A-controller (b) u-controller **(c) limiting device** (d) Quick service valve
436. During testing what is the permissible leakage in FP & BP?
 (a) 0.14 kg/cm² per minutes (b) 0.3 kg/cm² per minute
 (c) 0.4 kg/cm² per minutes **(d) 0.2 kg/cm² per minute**
437. Intermediate piece is used at which location in air brake system?
(a) Between DV & common pipe bracket
 (b) between dirt collector & AR
 (c) Between brake cylinder and trolley
 (d) not used in any location
438. What is the reason for FP pressure rushing to BP pipeline?
 (a) Leakage in AR **(b) DV defective** (c) FP pipe leakage (d) NRV defective
439. What is the condition of the DV when its handle is in vertical position?
 (a) Open condition (b) Close condition (c) Neutral condition **(d) Working condition**
440. When is empty load box device put in loaded condition?
 (a) When the load exceeds 42.5t
(b) When the gross weight exceeds 42.5t
 (c) When the wagon is filled between 25-50% of its capacity
 (d) When the wagon is filled more than half
441. What is the size of PEV choke?
 (a) 4mm **(b) 8mm** (c) 6mm (d) 2mm
442. What is the train pipe dia/size of air brake goods stock?
 (a) 25mm **(b) 32mm** (c) 19mm (d) 35mm
443. What does the red needle of air flow indicator point out?
 (a) Maximum leakage allowed in the system
(b) Reference mark which shows initial train leakage
 (c) Current leakage in the system during run
(d) There is no such needle on the air flow indicator
444. How much leakage is allowed in a goods load as per AFI?
 (a) **Equal to number of wagon** (b) Equal to half the number of wagon
 (c) 100psi (d) 25% more than the number of wagon
445. How will you identify brake blocks of K-type & L-type?
 (a) K-type brake block having projected lug 15mm below the both end but the L-type brake block Having projected portion at the both extreme ends
 (b) L-type brake block having projected lug 21mm below the both ends but the k-type brake block Having projected portion at the both extreme ends

- (c) k-type brake block having projected lug 21mm below the both ends but the L-type brake block Having projected portion at the both extreme ends
(d) None of these

446. At which rate the reduction in BP pressure take place during sensitivity test of a coach?

- (a) 0.2 kg/cm² in 6second (b) 0.1kg/cm² in 6second
(c) 0.3kg/cm² in 6second (d) **0.6kg/cm² in 6second**

447. What should be the maximum pressure drop in BP when the alarm chain is pulled from a coach?

- (a) 0.1kg/cm² (b) 0.4kg/cm² (c) 0.2kg/cm² (d) **0.8kg/cm²**

448. During insensitivity test what condition should be fulfilled to declare a DV is O.K.?

- (a) At the reduction on BP pressure @ 0.6 kg/cm² in 60 seconds, brake should not apply
(b) At the reduction on BP pressure @ 0.6 kg/cm² in 60 seconds, brake should apply
(c) At the reduction on BP pressure @ 0.3 kg/cm² in 60 seconds, brake should apply
(d) **At the reduction on BP pressure @ 0.3kg/cm² in 60 seconds, brake should not apply**

449. Which of the following are the advantages of Bogie Mounted Brake System over conventional air brakes system?

- (a) The weight of the Bogie Mounted brake system is reduced by 492kg.
(b) Breaking distance for 18 coach rake at 110kmph for bogie mounted air brake rake is less as compared to conventional air brake rake of the same coach length.
(c) Number of pins and bushes have been reduced to 84 from 102.
(d) **all of the above**

450. Which of the following statement is not correct regarding the advantages of bogie mounted brake system over conventional air brakes system?

- (a) Wear and tear of wheel set is increased as friction co-efficient of composite brake block is 0.25 as compared to 0.9 for cast iron brake block
(b) In bogie mounted coaches, brake rigging force does not transmit to under frame as such shell body does not rattle
(c) **Bogie mounted coaches require more maintenance as compared to conventional air brake coaches.**
(d) None of the above

451. Clearance measured between control rod head & barrel head face when the brake is fully released, is known as

- (a) e-dimension (b) c-dimension (c) **a-dimension** (d) H-clearance

452. It is the distance between projection tube end and mark on adjuster spindle. This value denotes the total shortening capacity of adjuster i.e. capacity available for adjustment by brake regulator, when all the brake blocks, pins & bushes are new & manual adjustment of the brake gear corresponds to wheel diameter. What is it known as?

- (a) **e-dimension** (b) c-dimension (c) a-dimension (d) Leverage ratio

453. Value of the a-dimension depends on.....

i. bogie leverage ratio ii. Number of bogies iii. No's of SAB brake regulator iv. Brake block clearances

- (a) i,ii,iii (b) i,ii,iv (c) ii,iii,iv (d) **i,ii,iii,iv**

454. Which of the following are the advantages of composite brake blocks over conventional cast iron brake blocks?

- (a) Reduced braking distance due to uniform co-efficient of friction
(b) Longer life due to reduced wear of composition brake blocks
(c) Reduced noise during braking (d) **All of the above**

455. The other name of pilot valve is-

- (a) PESAD (b) **PEASD** (c) PDEAS (d) EPASD

456. Which RDSO pamphlet is used for finding instructions or inspection/maintenance of air brake equipment on passenger coaches?

- (a) C-7512 (b) C-7907 (c) **C-8805** (d) C-8703

457. Which RDSO pamphlet is used as a Maintenance manual for IRSA-600 slackadjuster?
(a)G-92 (b)G-97 (c)G-67 (d)G-94
458. For testing loco vacuum, Dimension of hole of the test plate is—
 (a)6.0mm (b)8.0mm **(c)7.5mm** (d)8.5mm
459. Capacity of air reservoir (AR) of the coach is—
 (a)150Lit **(b)200 Lit** (c)250Lit (d)300Lit
460. In twin pipe system, the time taken for releasing of the brake in goods stock is—
(a)45 to60sec (b) 27 to30sec (c)75 to80 sec (d)120 to 140sec
461. In an air Brake AC coach , 'A' dimension should be—
 (a) 18±2mm (b) 20±2mm (c) 22±2mm **(d) 22±2/-0mm**
462. In the passenger train, the diameter of brake pipe & feed pipe is—
 (a)20.0mm **(b)25.0mm** (c)28.0mm (d)30.0mm
463. How many angle cocks are provided in a vehicle in twin pipe system?
 (a) two (b)Three **(c)Four** (d)Six
464. What is the diameter of branch pipe attached toPEAV?
 (a)15.0mm (b)25.0mm **(c) 20.0mm** (d)10.0mm
465. What is the diameter of branch pipe in between PEAV to PEASD?
 (a)15.0mm (b)25.0mm (c)30.0mm **(d)10.0mm**
467. BP pressure in working train is—
 (a) 6.0± 0.1 kg/cm² (b)5.5±0.1kg/cm² **(c)5.0±0.1kg/cm²** (d) 5.2±0.1kg/cm²
468. During charge position, Air pressure in Auxiliary reservoiris-
 (a) 6.5kg/cm² (b)6.1kg/cm² **(c) 6.0kg/cm²** (d) None ofabove
469. During full service application, brake pipe pressure is dropped to—
 (a)2.0kg/cm² (b)1.0 kg/cm² (c)3.0kg/cm² **(d)1.5kg/cm²**
470. The enroute brake power percentage of mail trains should be—
 (a)80% (b)75% (c) 95% **(d)90%**
471. In twin pipe system, the AR pressure should be—
 (a)5.0kg/cm² **(b)6.0kg/cm²** (c)7.0 kg/cm² (d) 8.0kg/cm²
479. At originating station the brake power percentage for mail/express train should be —
 (a)85% (b)90% **(c)100%** (d)75%
480. Cut off angle cock can be fitted to —
 (a) FP (b)BP **(c)BP&FPboth** (d) None ofabove
481. What is the diameter of bogie mounted brake cylinder?
 (a)220mm (b)210mm **(c)203mm** (d) 200mm
482. In a conventional air brake system, the No of brake cylinder in a coachare...?
 (a)3 **(b)2** (c)1 (d)4
- 483.** The brake cylinder diameter of conventional air brake system is —
 (a)205mm (b)1305mm (c) 325mm **(d)305mm**
484. The rate of air leakage in single car testing should not be more then—
 (a) 0.02kg/cm²/min (b)0.1kg/cm²/min
(c)0.2kg/cm²/min (d)0.1kg/cm²/min
485. In emergency application the brake cylinder pressure rises from 0-3.6kg/cm² in—
 (a)15-29sec (b) 5-10sec **(c)3-5sec** (d)8-10sec
486. Brake should not apply during insensitivity test with in—
 (a) 50sec **(b)60sec** (c)40sec (d)30 sec

487. During release after full service application, release time of Mail/ Express coach is -
 (a) 5 to 10 sec (b) 10 to 15 sec (c) **15 to 20 sec** (d) 20 to 30 sec
488. Check valve with choke (NRV) allows air from - ?
 (a) BP to FP (b) FP to CR (c) **FP to AR** (d) AR to BC
489. Feed pipe diameter of Rajdhani coach is
 (a) 20.0 mm (b) **25.0 mm** (c) 30.0 mm (d) 35.0 mm
490. Which pressure is vented out, if the brake is manually released by QRV?
 (a) BC pressure (b) AR pressure (c) BP pressure (d) **CR pressure**
491. What is the pressure of control reservoir in coaching trains?
 (a) 6.0 kg/cm² (b) **5.0 kg/cm²** (c) 6.2 kg/cm² (d) 4.8 kg/cm²
492. In coaching trains, auxiliary reservoir is charged to -
 (a) 5.0 kg/cm² (b) **6.0 kg/cm²** (c) 4.8 kg/cm² (d) 5.5 kg/cm²
493. Brake pipe throughout the length of train is charged with compressed air at -
 (a) 6.0 kg/cm² (b) 5.8 kg/cm² (c) **5.0 kg/cm²** (d) 4.8 kg/cm²
494. Feed pipe throughout the length of train is charged with compressed air at -
 (a) **6.0 kg/cm²** (b) 5.5 kg/cm² (c) 5.0 kg/cm² (d) 4.8 kg/cm²
494. After brake application, the control reservoir is disconnected from the -
 (a) **Brake pipe** (b) Auxiliary reservoir (c) Brake Cylinder (d) Feed pipe
495. Reduction in BP pressure for minimum application is -
 (a) 1.0 to 1.5 kg/cm² (b) 0.8 to 1.0 kg/cm² (c) **0.5 to 0.8 kg/cm²** (d) 0.1 to 0.5 kg/cm²
496. Reduction in BP pressure for service application is -
 (a) 1.0 to 0.5 kg/cm² (b) 1.0 to 1.5 kg/cm² (c) 0.5 to 0.8 kg/cm² (d) **0.8 to 0.1 kg/cm²**
497. Reduction in BP pressure for full service application is -
 (a) **1.0 to 1.5 kg/cm²** (b) 0.8 to 1.0 kg/cm² (c) 0.5 to 0.8 kg/cm² (d) 0.1 to 0.5 kg/cm²
498. Reduction in BP pressure for emergency application is -
 (a) 1.0 to 1.5 kg/cm² (b) **1.5 kg/cm² & above** (c) 0.5 to 0.8 kg/cm² (d) 3.8 to 5.0 kg/cm²
499. After releasing of brakes, brake cylinder is isolated from the auxiliary reservoir by.
 (a) **Distributor valve** (b) control reservoir (c) Brake pipe (d) Feed pipe
500. The colour of brake pipe in coaching trains is -
 (a) Black (b) Yellow (c) **Green** (d) white
501. The colour of feed pipe in coaching trains is -
 (a) Black (b) Yellow (c) Green (d) **white**
502. Cut off angle cock fitted on the brake pipe is painted -
 (a) Black (b) Yellow (c) **Green** (d) white
503. Cut off angle cock fitted on the feed pipe is painted -
 (a) Black (b) Yellow (c) Green (d) **white**
504. How many dirt collectors are fitted with under frame mounted air brake system on every coach?
 (a) **Two** (b) One (c) Three (d) None of above
505. What is choke diameter of guard's emergency brake valve?
 (a) 4.0 mm (b) **5.0 mm** (c) 6.0 mm (d) 8.0 mm
506. A device provided in the brake rigging for automatic adjustment of clearance / slack between brake block and wheel is called -
 (a) Brake cylinder (b) **Brake Regulator** (c) Distributor valve (d) control Reservoir

507. What type of slack adjuster is used in passenger coaches?
 (a) DRV-600 (b)None (c)**IRSA-450** (d)IRSA-600
508. In goods stock the AR charging time from 0 to 4.8 kg/cm², for testing C3W DV, is...?
 (a)170±10sec (b) **175±30sec** (c)280±30sec (d) 180±20sec
509. In goods stock for testing KE type DV, the AR charging time from 0 to 4.8 kg/cm² is—
 (a) **160 to210sec** (b) 210 to260sec (c) 260 to280sec (d)180 to 200sec
510. In goods stock for testing C3W DV, the CR charging time from 0 to 4.8 kg/cm² is —
 (a)170±10sec (b)**165±20sec** (c) 160±10sec (d) 210±20sec
511. In goods stock for testing KE type DV, the CR charging time from 0 to 4.8 kg/cm² is—
 (a) 170 to200sec (b) **160 to210 sec** (c) 160 to 180 sec (d)180 to 210sec
512. During brake release, air from BC goes to ?
 (a)AR (b)CR (c)DV (d)**Atmosphere**
513. The three- branch pipe is attached to the common pipe bracket, where the middle pipe leads to
 (a)CR (b)DV (c)BC (d)**AR**
514. During testing of C3W /KE type DV, after full service application the brake cylinder filling time from 0 to 3.6 kg/cm² is – (coaching stock)
 (a)**3 to5sec** (b) 5 to10sec (c) 10 to15sec (d) 12 to 8sec
515. During testing of C3W /KE type DV, after releasing the brake cylinder release time from max BC pressure from 3.8 ± 0.1 kg/ cm² To 0.4 kg/cm² is – (coaching stock)
 (a)3to5 sec (b) 5 to 10sec (c) 10 to15sec (d)**15 to 20sec**
516. During testing of C3W / KE type DV, after emergency application the brake cylinder filling time from 0 to 3.6 kg/cm² is- (coaching stock)
 (a)**3to5 sec** (b) 5to8 (c) 8 to10sec (d) 10 to 15 sec
517. Which of the following types of isolating cocks are provided in the passenger coaches?
 (a) **Balltype** (b)Walltype (c)Dome type (d) C3Wtype
518. The type of dirt collector used in bogie mounted passenger coaches is—
 (a) 2-way (b)4-way (c)**3-way** (d) 1-way
519. Total no. of MU washer used in a twin pipe passenger coach is ?
 (a)3 (b)**4** (c)2 (d)6
520. In single car leakage test, the air pressure drop should not exceed—
 (a) 0.35kg/cm²/min (b) **0.2kg/cm²/min** (c)0.28kg/cm²/min (d) 0.3kg/cm²/min
521. When DV is in working condition, the position of DV handle is
 (a) Horizontal (b)Inclined (c)**Vertical** (d)Parallel
522. How many DVs as a percentage of the total population should be kept as spares
 (a)10% (b) **5%** (c)2% (d)10%
523. What is the capacity of control reservoir of passenger coach?
 (a)**6.0litre** (b)7.0litre (c)9.0litre (d) 10.0litre
524. Length of air brake Hose is_
 (a)790mm (b)660mm (c) **839mm** (d)844mm
525. What should be the effective maximum pressure in brake cylinder during full service

application is

- (a) $3.6 \pm 0.1 \text{ kg/cm}^2$ (b) $3.7 \pm 0.1 \text{ kg/cm}^2$ **(c) $3.8 \pm 0.1 \text{ kg/cm}^2$** (d) $4.1 \pm 0.1 \text{ kg/cm}^2$

526. DV is directly mounted on—

- (a) AR (b) Brake pipe (c) Brake cylinder **(d) common pipe bracket**

527. From which component is compressed air supplied to C3W DV?

- (a) FP (b) Cutoff valve (c) BP **(d) Main valve**

528. Which of the following valves in C3W DV controls charging of CR?

- (a) Main valve **(b) Cut off valve**
(c) Quick service valve (d) Limiting device

529. The angle cock of wagon can be fitted on the coach provided it is having

- (a) Nut (b) Nut & Bolt (c) Reducer **(d) Reducer with inner & outer threads**

530. Cut off angle cock in open position of the handle is.....

- (a) **Parallel to pipe** (b) Parallel to pipe or perpendicular to pipe
(c) Perpendicular to pipe (d) None of the above

531. The full form of CR is—

- (a) Central reservoir (b) cylindrical reservoir
(c) control reservoir (d) None of the above

532. In air brake system of coach, the following is fitted?

- (a) 1BP 1FP 1DC (b) 1BP 2FP 1DC
(c) 1BP 1FP 2DC (d) 2BP 2BP 2DC

533. Control reservoir in an air brake system is—

- (a) To control FP pressure (b) To control DV valve **(c) To control Brake system** (d) None of the above

534. Auxiliary reservoir is assisting in ?

- (a) Charging of DV (b) Charging of BP **(c) Sending air to BC** (d) Charging of CR

535. Air hose can be connected to—?

- (a) FP cut off angle cock (b) BP cut off angle cock
(c) BP & FP cut off angle cock (d) none of the above

536. The Driver reduced the BP pressure by 1.2 kg/cm^2 . What is it called?

- (a) **Full service application** (b) Service application
(c) Emergency application (d) None of the above

537. Dirt collector should be cleaned within—

- (a) At the time of IOH **(b) At the time of 'A' schedule**
(c) At the time of POH (d) At the time of 'B' schedule

538. In air brake system, brake should apply when the rate of drop of air pressure in BP is—

- (a) **$0.6 \text{ kg/cm}^2/\text{min}$ in six sec** (b) $0.3 \text{ kg/cm}^2/\text{min}$ in six sec
(c) $0.4 \text{ kg/cm}^2/\text{min}$ in six sec (d) $0.1 \text{ kg/cm}^2/\text{min}$ in six sec

539. In the brake system, brake should not apply when the rate of drop of air pressure in BP is—

- (a) **0.3 kg/cm^2 in 60 sec** (b) 0.4 kg/cm^2 in 4 sec
(c) 0.5 kg/cm^2 in 30 sec (d) 0.8 kg/cm^2 in 8 sec

540. The function of main valve of C3W type DV is to supply requisite amount of pressure into the brake cylinder when—

- (a) **BP pressure is reduced** (b) FP pressure is reduced
(c) CR pressure is reduced (d) BP & FP are also reduced

541. The main valve in DV exhausts pressure from brake cylinder to atmosphere, it is the

- (a) **BP pressure is raised** (b) BP pressure is reduced
(c) FP pressure is reduced (d) FP pressure is raised

542. The function of none-return valve used in air brake system is—
 a) To reduce BP (b) **To prevent flow of air from AR to FP**
 (c) To prevent CR to be charged (d) To prevent flow of air from CR to BP
543. What is the expanded form of SCTR?
 (a) Single cart test rubber (b) Sliding cart test rig (c) **Single cart test rig** (d) None of the above
544. For releasing brakes, SAB is rotated
 (a) Clockwise (b) **Towards trolley in anti clockwise**
 (c) Towards trolley in clockwise (d) anti clockwise
545. To uncouple BP or FP air hose it is essential to—?
 (a) **Close adjacent anglecocks** (b) Open adjacent anglecocks
 (c) Close supply of air from loco (d) None of the above
546. BC vent plug is used for— ?
 (a) Brake application (b) Air leakage to stop (c) **Brake release** (d) Air pressure maintenance
547. For by pass the special device required is?
(a) For FP & BP connector (b) FP & BP exhauster (c) FP & BP reducer (d) BP & FP jointer
548. What shall be the function of check valve of C3W distributor valve?
 (a) Charging the CR (b) **To prevent back flow of AR** (c) Charging the BC (d) none of the above
549. Cut off angle cock can be fitted with?
 (a) Brake pipe (b) **Feed pipe & brake pipe both** (c) Feed pipe (d) None of the above
550. The control reservoir is mounted on the face of—?
 (a) Distribution valve (b) **common pipe bracket** (c) Brake pipe (d) Auxiliary reservoir
551. The function of dirt collector is to segregate dirt particle from the air—?
 (a) After coming out of DV (b) **Before going to DV** (c) Both (a) & (d) (d) none of the above
552. In air brake system, branch pipe of DV to BC via common pipe bracket is—
 (a) At the pipe (b) **At the bottom** (c) In middle (d) None of the above
553. In air brake system branch pipe of DV to AR via common pipe bracket is—
 (a) At the top (b) **In middle** (c) At the bottom (d) None of the above
554. Position of handle to open angle cock is—?
(a) Parallel to pipeline (b) perpendicular to pipeline (c) Center to pipeline (d) None of the above
555. In air brake system, sensitivity test is performed to know ?
 (a) **working sensation of DV** (b) The release time to break.
 (c) leakage in BC pressure (d) Release time of BC piston stroke.
556. If there is a leakage from the drain plug of dirt collector then reason can be— ?
 (a) Filter choked (b) Gasket damaged
(c) Hexagonal nut not fully tightened (d) Sealing washer damaged
557. Slow charging from outlet of dirt collector can be due to—
 (a) Filter choked (b) **Gasket damaged**
 (c) Hexagonal nut not fully tightened (d) Sealing washer damaged
558. In SAB, double acting means—
 (a) Provision of braking action on both the brake shoes
 (d) Correcting the clearance on both the brake shoes
 (c) Spindle inside the barrel moves in both direction
(d) Brake shoes clearance is adjusted to its correct value both ways
559. What is the function of SAB?
(a) To develop automatic adjustment
 (b) Regulate working of BC

- (c) To provide extra support to brake block
- (d) To transfer the push of piston rod.

560. If the piston movement is sticky in the brake cylinder during both application and release then it can be due to – ?

- (a) Piston return compression spring weak
- (b) **Hexagonal nuts not equally tightened**
- (c) Piston rubber packing running dry
- (d) Piston rubber packing cut or worn out.

561. If there is a leakage in the brake cylinder from the front cover joint during brake application then it can be due to –

- (a) Piston return compression spring weak.
- (b) Piston cover not sealed properly.
- (c) **Piston rubber packing running dry.**
- (d) Piston rubber packing cut or worn out.

562. If the handle of the cut off angle cock rotates all around and does not stop at a specific position then the reason can be –

- (a) Leaf spring has lost its compression effect
- (b) Rubber seats are not properly placed
- (c) "O" ring defective
- (d) **Stopper lug of cap broken or stopper plate defective**

563. What is the function of the leaf spring provided in the handle of cut off angle cock?

- (a) To avoid leakage from pipe.
- (b) **To keep operating handle in off- on position firmly.**
- (c) To maintain properly and easily working of cut off angle cock.
- (d) None of the above

564. If the DV is having leakage

- (a) Close the isolating cock of the AR
- (b) Close the isolating handle of DV
- (c) **Close the isolating cock of the BP branch pipe**
- (d) None of the above

565. Air hose pipe are connected to ?

- (a) Feed pipe cut off angle cock
- (b) Brake pipe cut off angle cock
- (c) **Brake pipe and feed pipe cut off angle cocks**
- (d) None of the above

566. The function of return spring provided in a brake cylinder is – ?

- (a) To push the spring out side the piston
- (b) **To push the piston inside the cylinder**
- (c) To push the dead lever
- (d) To push the control rod

567. 'E' dimension is measured from ?

- (a) **From protection tube to 'V' groove made on the spindle rod.**
- (b) From control rod to anchor pin.
- (c) From SAB barrel tube 'V' groove to control rod.
- (d) None of the above

568. What is the function of SAB?

- (a) To maintain the slack between pull rod and wheel
- (b) To maintain the slack between piston and BC
- (c) **To maintain the slack between brake block and wheel tread**
- (d) None of the above

569. 'A' dimension is measured from – ?

- (a) Control head to anchor pin
- (b) Pull rod to anchor pin
- (c) Pull rod to control rod head
- (d) **Control rod head to barrel face**

570. If the 'A' dimension of the SAB is reduced, then the ?

- (a) Piston stock is increased
- (b) **Piston stock is reduced**
- (c) Piston stock remains same
- (d) None of the above

571. Warranty period of distributor valve is –

- (a) 24 months from the date of delivery or 34 months from date of fitment whichever is earlier
- (b) **36 months from the date of delivery or 24 months from date of fitment whichever is earlier**

- (c) 48 months from the date of delivery or 24 months from date of fitment whichever is earlier
(d) 36 months from the date of delivery or 12 months from date of fitment whichever is earlier.

572. Number of brake cylinder in bogie mounted air brake system are.....
(a) 8 (b) 6 (c) 2 (d) **4**
573. The pulling force required for alarm chain testing should not be more than
(a) 12kg (b) **10kg** (c) 20kg (d) 30kg
574. On application of pulling force of 6.4 kg the alarm chain should
(a) Work (b) **Not work** (c) Not definite (d) None of the above
575. Manually operated pilot vent valve is—
(a) **PEASD** (b) PEAV (c) ACP (d) PEAMTD
576. What is the diameter of control pipe attached from PESAD to PEAV?
(a) 15.0mm (b) **10.0mm** (c) 20.0mm (d) 25.0mm
577. Passenger emergency alarm signal device are mounted on the
(a) Underframe (b) Sidepanel (c) **Endwall** (d) Roofpanel
578. After ACP, it is reset, then brakes are released—
(a) DV quick release valve (b) Isolating handle
(c) PEAV (d) **PEASD**
579. PEAV & PEASD can be isolated by isolating
(a) Isolating cock between branch pipe of BP & DV
(b) Isolating cock between branch pipe of FP & BP
(c) **Isolating cock fitted in branch pipe before PEASD**
(d) Isolating cock of BC
580. What is the diameter of brake cylinder of bogie mounted brake system— ?
(a) 12" (b) 10" (c) 9" (d) **8"**
581. External slack adjuster has been eliminated in bogie mounted air brake system?
(a) **True** (b) False (c) Not in all (d) None of the above
582. Piston stroke of BMBC coach is—
(a) 28mm (b) **32mm** (c) 36mm (d) 38mm
583. The average coefficient of friction of K-type composite brake block is—
(a) 0.20 (b) **0.25** (c) 0.30 (d) 0.35
584. In BMBC coach, hole adjustment of curved pull rod to be done when wheel diameter reaches to— ?
(a) **839mm** (b) 842mm (c) 846mm (d) None of the above
585. What is the diameter of side operated hand brake wheel for BOXN wagon?
(a) 630mm (b) **610mm** (c) 620mm (d) 600mm
586. Maximum pressure for door operation on BOBR wagon should not exceed—?
(a) 8.56kg/cm² (b) 8.90kg/cm² (c) **9.14kg/cm²** (d) 9.90kg/cm²
587. In an air brake system, the thread joints are tightened with.....?
(a) Cellotape (b) **Teflon tape** (c) papertape (d) None of the above
588. Minimum permissible dimension 'e' in SAB on goods stock, while leaving the yard is—?
(a) **555mm** (b) 575mm (c) 565mm (d) 580mm
589. What is the colour code of the distributor valve of air brake goods stock?
(a) Yellow (b) **Black** (c) Green (d) White
590. Control rod diameter of an air brake wagon is—

- (a)30mm **(b)32mm** (c)38mm (d)40mm
591. Piston stroke of BOXN wagon in empty condition is–
(a)85±10mm (b)70±15mm (c)75±5mm (d)80±10mm
592. Piston stroke of BOXN wagon in loaded condition is–
(a)140±15mm **(b)130±10mm** (c)120±15mm (d)125±15mm
593. Piston stroke in empty condition of BOBYN wagon is–
(a)90±10mm (b) 100±5mm **(c)100±10mm** (d)90±10/5mm
594. Piston stroke in loaded condition of BOBYN wagon is–
(a)135±5m (b)135±10mm (c)135±20mm **(d)110±10mm**
595. What is the capacity of control reservoir in goods train?
(a) 4Lit **(b) 6 Lit** (c)8Lit (d)10Lit
596. The colour of brake pipe in twin pipe brake system is–
(a) Black (b)Yellow **(c)Green** (d)Whit
597. What should be the brake pipe pressure in engine?
(a) 4.8kg/cm² (b)4.7kg/cm² **(c)5.0kg/cm²** (d) 6.0kg/cm²
598. The BP pressure in brake Van of 58- BOXN load should not be less than–
(a) 4.8kg/cm² (b)3.7kg/cm² **(c) 4.7kg/cm²** (d) 5.8kg/cm²
599. When we release KE type DV manually, the air pressure is released from–
(a) CR&AR (b)BC&AR **(c) BC&CR** (d) AR&DV
600. If Empty Loaded Device handle is kept on loaded position of empty wagon, the Result will be –
(a)Poor Brake Power **(b) Brake binding** (c) Both of the above (d) None of the above
601. Number of brake blocks in one BOXN wagon is.....
(a)4 **(b)8** (c)12 (d)16
602. 'A' dimension in BOXN wagon is –
(a)70±2/0mm (b)172±3mm (c)175±4mm (d)175±1mm
603. D.V is directly attached with–
(a) Brake cylinder (b) Brake pipe (c) AR **(d) CPB**
604. The diameter of air brake cylinder BOXN wagon is –
(a)300mm **(b)355mm** (c)360mm (d) 315mm
605. The diameter of air brake cylinder in BVZC (wagon) is–
(a)300mm (b)295mm **(c)305mm** (d)315mm
606. The capacity of Auxiliary Reservoir in an air brake wagon except Brake Van is–
(a) 200Litre **(b)100Litre** (c)300Litre (d) 150Litre
607. In single pipe system the time taken in releasing of the wagon brake is
(a)60sec (b)120sec (c)210sec (d)90sec
608. Distance between the control rod head and the barrel of SAB is named as–
(a)'E' dimensions (b)'C' dimensions **(c)'A' dimensions** (d)'D' dimensions
609. In twin pipe system the Auxiliary Reservoir pressure should be–
(a) 6.0kg/cm² (b)4.8kg/cm² (c)5.0kg/cm² (d) 6.5kg/cm²
610. The brake power of CC rake from nodal point is–
(a)90% **(b)100%** (c)85% (d)75%
611. Brake power certificate issued for premium end –to-end rake will be valid for –
(a) 7±4days (b)10±2days **(c)12±3days** (d) one month
612. The of air pressure in control reservoir of twin pipe system is–
(a)3.8kg/cm² (b)6.0kg/cm² **(c)5.0kg/cm²** (d)4.8kg/cm²
613. What is the function of DC (Dirt collector)?
(a) Collect dirt (b) collect air **(c) Clean air** (d) Clean CR
614. How much pressure should drop in a minute after putting a test plate in a locomotive?
(a)0.8kg/cm² **(b)1.0kg/cm²** (c)1.2kg/cm² (d)1.5kg/cm²
615. Diameter of brake pipe and feed pipe in a goods train is
(a)28mm (b)34mm **(c)32mm** (d)36mm

616. How many cut-off angle cocks are provided in a vehicle in twin pipe system

(a) Two

(b) Four

(c) Six

(d) None

617. While isolating DV, the position of the handle in relation to rail line shall be ?
 (a) **Horizontal** (b) vertical (c) Any position (d) None of the above
618. If brake block is not releasing,is removed to release the brake- ?
 (a) Anchor link pin (b) center pivot pin (c) **pullrod pin** (d) equalising pin
619. During Brake application, air flows from- ?
 (a) **AR to BC** (b) BP to AR (c) BP to BC (d) CR to BC
620. The en-route brake power percentage of CC goods train should be ?
 (a) 85% (b) 75% (c) 95% (d) **90%**
621. The en-route brake power percentage of End to End goods train should be ?
 (a) 85% (b) **75%** (c) 95% (d) 90%
622. The en-route brake power percentage of PR goods train should be ?
 (a) 85% (b) 75% (c) 95% (d) **not specified**
623. What is the piston stroke of BVZC wagon?
 (a) 50mm±10mm (b) **70mm±10mm** (c) 32mm±10mm (d) 90mm±10mm
624. What is the piston stroke of BOBR/BOBRN wagon in empty?
 (a) 70±10mm (b) 75±10mm (c) 80±10mm (d) **100±10mm**
625. 'A' dimension of the BOBRN wagon is ?
 (a) 29+2/-0mm (b) **27+2/-0mm** (c) 33±2mm (d) 25+⁻⁵mm
626. What is the colour of BPC of air brake CC ?
 (a) Red (b) pink (c) green (d) **yellow**
627. What should be the pressure in feed pipe ?
 (a) 3.8kg/cm² (b) 5.0kg/cm² (c) **6.0kg/cm²** (d) None of the above
628. Control rod of SAB when rotated for one round, control rod head moves by a distance of- ?
 (a) 6.0mm (b) 4.0mm (c) **2.0mm** (d) 1.0mm
629. The type of joint for FP&BP pipe in goods stock is- ?
 (a) Grip seal (b) **Flange** (c) Thread coupling (d) knuckle
630. The allowed leakage rate in BP or FP in air brake system for goods stock is- ?
 (a) 0.4kg/cm²/min (b) **0.25kg/cm²/min** (c) 0.3kg/cm²/min (d) 0.1 kg/cm²/min
631. With what pressure of AR twin pipe system works?
 (a) BP pressure only (b) FP pressure only (c) **BP&FP pressure** (d) BC pressure
632. Single pipe system works on.....
 (a) **BP pressure** (b) FP pressure (c) BP&FP pressure (d) None of the above
633. In wagon, hand brake is used when
 (a) **Standing in yard** (b) Running in down gradient
 (c) Running in up gradient (d) None of the above
634. What do you mean by SWTR?
 (a) Single wagon test rubber (b) **single wagon test rig**
 (c) Sliding wagon test string (d) None of the above
635. SAB is fitted on.....
 (a) End pull rod (b) **Main pull rod** (c) Control rod (d) Dead equalizing lever
636. Auxiliary reservoir assists in-
 (a) DV charging (b) Charging of BP (c) **sending air to BC** (d) charging of CR

637. When a defect is noticed in brake pipe in twin pipe system, the train can be worked as single pipe system ?

- (a) **By bypassing BP of particular vehicle** (b) Cannot be worked
(c) Can be worked without change (d) None of the above 638.

Full from of AR is—?

- (a) Accident of reservoir (b) Axlering (c) **Auxiliary reservoir** (d) None of the above 639.

Full from of BC is—?

- (a) Brake control (b) Beside coach (c) **Brake cylinder** (d) None of the above 640.

What shall be the function of check valve of C3W type distributor valve?

- (a) Charging the AR (b) Charging the CR (c) Charging the BC (d) **None of the above**

641. BC vent plug is used for -

- (a) Brake application (b) **Brake release**
(c) Air leakage to stop (d) Air pressure maintenance 642.

The ELB device indicator plate shows—

- (a) **Yellow empty, black loaded** (b) Blue empty, black loaded
(c) White empty, black loaded (d) black empty, blue loaded

643. The first step in releasing brake binding in conventional Air brake system is to - ?

- (a) Open vent plug of BC (b) Rotate SAB
(c) Take out pin of SAB (d) **Isolate DV & release manually**

644. The type of dirt collector, used in wagon is— ?

- (a) 2-way (b) **3-way** (c) Branch pipe of BP to FP (d) None of the above 645.

The trouble shooting form twin pipe system in case of broken AR is— ?

- (a) Isolate DV and release brake (b) **Isolate DV, AR & release brake**
(c) Release BC & open vent plug BC (d) By-pass AR

646. After isolating DV, handle should be ?

- (a) Tightened with thread (b) Kept horizontal and tightened with wire
(c) **Tightened with wire** (d) Opened

647. The function of double release valve of the DV is – ?

- (a) To release the brake automatically (b) To release the BC pressure
(c) **To release the brake manually** (d) To release brake pipe pressure on AR chamber 648. If

DV is having leakage— ?

- (a) **Isolate DV** (b) Close the isolating cock of the AR
(c) Close the isolating cock of the BP/FP branch pipe (d) none of the above

649. What is the minimum distance being maintained between adjacent two tracks for intensive examination?

- (a) At least 3 meters (b) **At least 3.5 meters** (c) At least 4.0 meters (d) At least 2.0 m

650. As per RPC -4, whenever the lie-over is more than ____ hours at the platform or the rake is stabled in yard, the rake should be locked and positive security should be provided ?

- (a) **2 hours** (b) 4 hours (c) 6 hours (d) 8 hours

651. For rakes maintained by 'A' category CC bases, BPC is valid for ?

- (a) 4500 kms or 15 days (b) 6000 kms or 20 days
(c) **7500 kms or 35 days** (d) 6000 kms or 15 days

652. Match colour of BPC issued with the stock ?

- | Colour | stock |
|-------------------|--------------------------|
| A. Pink | 1. Air brake stock |
| B. Light Green | 2. Vacuum Brake |
| C. Yellow | 3. Closed circuit Rake |
| (a) A-1, B-2, C-3 | (b) A-3, B-1, C-2 |
| (c) A-3, B-2, C-1 | (d) A-2, B-1, C-3 |

653. For closed circuit air brake rake, Rake integrity, as listed in the BPC be are allowed to be replaced by good examined wagon in the entire run between two PMEs?

- (a) **4 wagons** (b) 6 wagons (c) 3 wagons (d) 2 wagons

654. How much fading of brake power is permissible in air brake trains from originating Station to destination?

- (a) 10% (b) **Nil** (c) 20% (d) 5%

655. What are the colours recommended for intensive brake power certificate for end to end Running air brake (Goods stock)?

- (a) **Green** (b) Pink (c) Red (d) Blue

656. What are the colours recommended for brake power certificate for close circuit air brake rake (Goods stock)?

- (a) **Yellow** (b) Pink (c) Green (d) white

657. Which of the following are the advantages associated with revised maintenance pattern for coaching trains as per Railway Board Policy circular no.4?

- (a) Attention as per the requirement of train service and passenger requirements.
(b) A step towards standardization of rake to reduce the requirement of Rakes and coaches
(c) More utilization of existing coaches
(d) **All of the above**

658. Which of the following is not the advantage of revised maintenance pattern for coaching trains as per Railway Board policy no.4?

- (a) Increase in productivity after avoiding frequent attention of trains covering less km
(b) Emphasis shifted from staff inputs to infrastructural inputs
(c) **Customer based rake formation**
(d) A step towards standardization of rake to reduce the requirement of Rakes and coaches

659. Which of the following is not the part of the minimum infrastructure to be provided at the platform from where trains returned without secondary maintenance?

- i) One storage room for essential safety and passenger amenity item
ii) Road transportation facility for ferrying material from the depot. iii) Mobile high pressure cleaning machines in adequate numbers (iv) Mobile phones for easy communication
(a) i) & (iv) (b) Only (iii) (c) **Only (iv)** (d) Only (ii)

660. Which of the following are the minimum infrastructure facilities to be provided at the platforms from where trains are returned without secondary maintenance?

- (a) Water connection at both the ends of the platform for quick watering and cleaning with high pressure Jet cleaning machine.
(b) Washable apron on the platform lines with covered drains to facilitate movement of maintenance staff
(c) Floodlight at the platform ends for rolling examination at night and 110V inspection lights along the side of the track for night examination of undergear.
(d) **All of the above.**

661. As per policy No-4 (revised) secondary examination of mail/express has been skipped on round trip Upto – (ICF coaches)

- (a) 2000 km (b) 1500 km (c) 2500 km (d) **3500 km**

662. As per policy No-4 secondary examination of mail/express has been skipped on round trip Upto – (LHBcoaches) ?
 (a) **4000km** (b) 1500km (c) 2500km (d) 3500km
663. 'A' category depot will issue BPC of CC Rake valid upto km– ?
 (a) **7500km** (b) 7000km (c) 6000km (d) 6500km
664. In air brake empty stock end-to-end goods rakes, the empty rake after unloading should be offered for intensive examination before- ?
 (a) Next station (b) Next loading (c) Next unloading (d) **Next TXR point**
665. In air brakes end-to-end rakes, after intensive examination validity of BPC remain upto the- ?
 (a) Next station (b) Loading point (c) **destination point** (d) 72 hours
666. In air brake stock, BPC become invalid, if the rake is stabled in any examination yard For more than- ?
 (a) **24 hours** (b) 36 hours (c) 48 hours (d) 12 hours
667. At the originating point, minimum brake power of premium end-to-end rake is- ?
 (a) 85% (b) **95%** (c) 90% (d) 98%
668. The colour of brake power certificate for premium end-to-end rake is – ?
 (a) **Green** (b) White (c) Pink (d) Yellow
669. The BPC of ballast train is valid for ?
 (a) 3 days (b) 7 days (c) 15 days (d) **30 days**
670. The ride index for LHB coach is ?
 (a) **2.50-2.75.** (b) 2.75-3.00. (c) 3.00-3.25. (d) 3.25-3.5
671. Which bogies are provided for higher passenger ride index comfort?
 (a) ICF (all coil) (b) IR type (c) BEML type (d) **Fiat – SIG type**
672. Maximum ride index of LHB coach is –
 (a) **2.75** (b) 3.25 (c) 3.65 (d) 3.45
673. What is the purpose of corrugated trough floor?
 (a) To provide telescopic features in the coach
 (b) Offers considerable resistance to longitudinal crushing loads
 (c) To work as cushion to smoothen the shocks during impact between the vehicles
 (d) **All of above**
674. When a locomotive or a coach collides with another coach and enters forcible, piercing the end wall. What type of accident is it?
 (a) Collapsible (b) **Telescopic** (c) Normal (d) Typical
675. After Indo-German modification in coaching stock, what type of bushes are used for brake gear components?
 (a) Nylon-55 (b) Steel-46 (c) **Nylon-66** (d) Copper coated – 55
676. After Indo- German modification, the crown clearance bolt is fitted with –
 (a) Steel bush (b) **Rubber washer** (c) Nylon bush (d) Rubber packing
677. Truss bar hanger length is increased from –
 (a) **205 to 235 mm** (b) 205 to 240 mm (c) 205 to 255 mm (d) None of the above
678. What is the modification of equalizing stay rod?
 (a) **fitted 16 tons in all coaches** (b) fitted 18 tons in all coaches
 (c) Fitted 14 tons in all coaches (d) none of the above
679. Which is not true about Fiat bogie design?
 (a) It has Y-shaped bogie (b) **It has rigid axle guidance system**
 (c) Bogie weight is 6.5 tons (d) It is provided with anti-skid features

680. While lowering the container, lock automatically operates the moment a force of _____ kg is exerted by the container. ?

- (a) 700kg **(b) 600kg** (c) 800 kg (d) 1000kg

681. While lifting the container, lock automatically operates the moment a force of _____ kg is exerted by the container.

- (a) 700 kg (b) 600kg (c) 800kg **(d) 1000kg**

682. Which brake system is used in LHB coaches?

- (a) Disc-brake** (b) Bogie mounted (c) Conventional (d) Vacuum brake

683. Which device have been fitted on BLC wagons to function in lieu of ELB?

- (a) Automatic load sensing device** (b) Automatic load box device
(c) Automatic load sensor (d) None of these

684. What is the operational speed of BLC wagon rake?

- (a) 100 kmph** (b) 110 kmph (c) 75 kmph (d) 120 kmph

685. One modular unit of BLC rake comprises how many CAR 'B' wagons?

- (a) Five (b) Two **(c) Three** (d) One

686. As and when required to detach one wagon from the BLC rake, how many wagons to be detached in total?

- (a) 2 (b) 3 **(c) 5** (d) 1

687. What are the advantages of fair bogie over ICF bogie?

- (a) Lower wheel-base, which improves its ability to negotiate curves
(b) Axle mounted disc brake system reduces to wheel thread wear, requires lesser maintenance and is suitable for higher braking force
(c) Cartridge tapered roller bearing requires lesser maintenance attention
(d) All of the above

688. What are the advantages of fair bogie over ICF bogie?

- (a) Primary suspension of nested coil spring with hydraulic damper and control rods is more reliable and maintenance free as compared to dashpot arrangements.
(b) Better noise control due to use of application of a new material such as a wooden board sandwiched with cork layer, use of rubber pad below floorboard, rubber paint spray inside the shell etc.
(c) Lower corrosion due to extensive use of stainless steel
(d) All of the above

689. Which of the following is not the advantage of fair bogie over ICF bogie?

- (a) Poor riding index**
(b) Provision of anti-roll bar to restrict rolling of coach body on curves.
(c) Y-damper to control yaw-motion (body motion in vertical axis)
(d) None of the above

690. Which of the following are the advantages of disc brake system?

- (a) Higher speed potential of the bogie
(b) Almost constant coefficient of friction over the whole speed range
(c) Reduced frequency of the wheel turning
(d) All of the above

691. What are the measures taken in LHB coaches for safety of travelling public?

- (a) Use of fire-retardant material for coach furnishings
(b) Provision of emergency windows
(c) The coach is provided with vertically interlocked central buffer couplers that would not open even if there were a derailment
(d) All of the above

692. CBC Coupler are used in _____.

- (a) All conventional ICF design coaches (b) IR coaches
(c) LHB design coaches (d) BEML coaches

- 692(a). Witch of profile is used in IR coaches?
(a)WWP (b)WWM (C)WWT (d)WWN
693. Why is inbuilt slack adjuster of BMBC called single acting?
(a) Because it takes up the slack in return strokeonly
 (b) Because it takes up the slack in forward strokeonly
 (c) Both a &b
 (d) None of theabove
694. Condemning limit of BLC wheel set is–
 (a)900mm (b)800mm (c)670mm **(d)780mm**
695. MaximumheightofsideframefromRaillevelofcontainerbogietypeLCCF20(c)trolleyis ?
 (a)851mm (b)715mm (c)932mm **(d)786mm**
696. In BLC wagon, width over sole bar at center line wagonis-
 (a)2200mm **(b) 2100mm** (c)2150mm (d) 2180mm
697. In place of empty load box what devise is used in BLCwagon?
 (a) BSD **(b) LSD** (c) SDF (d) SAB
698. As per RDSO standard what shall be the Max. Allowed speed ofBFKI?
 (a)75km/h (b)80km/h **(c)100km/h** (d) 110km/h
699. What is the material specification of BLC wagonrolley?
(a)Caststeel (b) Lowcaststeel (c)steel (d) Microsteel
700. At the time of load distribution what percentage of load is coming on the center pivot?
(a)10% (b)15% (c)20% (d)25%
701. What shall be maximum length of container platform in BLC wagon?
 (a) 30feet **(b)28feet** (c)29feet (d) 32 feet
702. The standard height of platform for BLC wagon from Rail level is–
 (a)1010mm (b)1015mm **(c)1009mm** (d)1100mm
703. The axle load capacity of BLC wagon is–
 (a)20.10ton. **(b)20.32ton.** (c)21.10ton. (d) 23.10ton.
704. Tare weight of A-car of BLC wagonis-
 (a)21.20ton. **(b)19.10ton.** (c)19.80ton. (d) 20.22ton.
705. Tare weight of B-car of BLC wagonis-
(a)18.10ton. (b)19.10ton. (c) 19.80ton. (d) 20.20ton.
706. In BLC wagon, height of slackness drawbar system from Rail level is – ?
 (a)890mm (b)848mm **(c)845mm** (d)910mm
- 707.How many automatic twist locks used in BLC wagons?
 (a)6 **(b)8** (c)10 (d)12
708. Distance between bogie centers of BLC wagon is–
 (a)9678mm(b)9687mm(c)9765mm **(d)9675mm**
709. Rake carrying capacity of the BLC is–
 (a) 40 wagons **(b) 45 wagons** (c) 40 wagons (d) 48 wagons
710. Witch type of side bearer arrangements is used in BLCtrolley?
 (a)Elastromatic (b) constant contacttype
(c) Spring loadedsidebearer (d) None of theabove
711. Witch type trolley of is used in BLCwagon?
 (a)UIC trolley **(b) Cast steel type of bogie LCCF20**
 (c)IRStrolley (d) Diamond frametrolley

712. For automatic locking & for lifting of automatic twist lock how much force is Kg required, respectively?
(a) 600 & 1000 kg (b) 800 & 1200 kg (c) 1000 & 500 kg (d) 500 & 1350 kg
713. What type of roller bearing is used in BLC wagon?
 (a) Cartridge type **(b) tapered two-row cartridge roller bearing**
 (c) Spherical type (d) plain bearing
714. What is the loading capacity of containers in BLC wagon?
(a) Two 20' or one 40' (b) Two 22' or one 45' (c) Two 15' or two 20' (d) Two 20' or one 45'
715. Name the type of coupling used in BLC wagon?
(a) CBC & SLD (b) HTCBC (c) screw coupling (d) slackness draw bars (SLD)
716. Pay load of BTPN tank wagon is—
 (a) 58.88 tons **(b) 54.28 tons** (c) 55.80 tons (d) 52.3 tons
717. Axle load of BTPN tank wagon is—
(a) 20.32 tons (b) 22.35 tons (c) 21.35 tons (d) 25.22 tons

LHB COACHES

GENERAL QUESTIONS

718. What is the full form of LHB?
 a) Lower heavy Bogie **b) Linke Hofmann Busch** c) low height Bogie d) None of these
719. What is the length over body of LHB coaches?
 a) 23570 mm b) 23545 mm **c) 23540 mm** d) 23565 mm
720. What is the maximum width over body of LHB coaches?
 a) 3260 mm **b) 3240 mm**
 c) 3456 mm d) 2356 mm
721. Height of compartment floor from rail level under tare condition of LHB coaches?
a) 1320 mm b) 1389 mm c) 1305 mm d) 1345 mm
722. What is Maximum height of centreline of side CBC above rail for empty vehicle?
 a) 1108 mm b) 1107 mm **c) 1105 mm** d) 1103 mm
723. What is minimum height of centre line of CBC above rail level for loaded vehicle?
a) 1030 mm b) 1039 mm c) 1025 mm d) 1015 mm
724. What is the higher speed potential of LHB coaches?
 a) 160 Kmph upgradeable to 180 Kmph
 b) 180 Kmph upgradeable to 200 Kmph
c) 160 Kmph upgradeable to 200 Kmph
 d) 200 Kmph upgradeable to 220 Kmph
725. What is the wheel gauge of LHB wheel?
 a) 1676 mm **b) 1600 ± 1 mm** c) 1610 mm d) 1676 ± 1 mm
726. What is the new wheel diameter of LHB wheel?
 a) 910 mm **b) 915 mm** c) 912 mm d) 725 mm
727. What is the condemning limit of LHB wheel diameter?
 a) 813 mm b) 839 mm **c) 845 mm** d) 854 mm
728. How many brake disc on one wheel?
 a) One **b) Two** c) Three d) Four
729. Which type of Roller bearing is used in LHB coaches?
 a) Spherical Roller bearing. b) Plain Roller bearing.
c) Cartridge Tapered Roller bearing. d) None of these
730. What is the thickness of wheel flange in LHB coaches?
 a) 24 mm **b) 26.5 mm** c) 26 mm d) 25 mm
731. What is the thickness of brake disc?

- a)100 mm **b)110mm** c) 105 mm d) 108mm
- 732.What is the diameter of brakedisc?
a)650 mm b)630mm **c) 640mm** d) 645mm
- 733.What is diameter of wheel axle ofLHBCoach?
a)172 MM b) 170 MM **c)153MM** d) 165MM
- 734.How many make CTBUs are used on LHBCoaches?
a)1 **b)2** c) 3 d)4
- 735..What is the maximum temperature limit for TIMKEMCTBU?
a)90 °C**b)80°C** c) 85°C d) 87°C
736. How many types of shock absorbers are used in LHBCoaches?
a)6**b)5 c) 4** d)3
737. Howmanys shockabsorbersareusedinLHBCoaches? a)10 nos.
b) 8nos. **c) 18nos.**d) 12nos.
738. Whatisthenameofshockabsorberconnectedbetweenbogieandcarbody?
a)Primary b)Secondary **c)Yaw.** d) None ofthese.
739. Most important condition for coupling of two coaches is-
A) Both couplers should be inalignment.
B) Both couplers should be within gatheringrange.
C) **Both a&b** d) None ofabove
740. What is the length over CBC of LHBCoaches?
a)23590 mm **b)24000mm** c) 24095 mm d) 24225 mm
- 741.What is the height over roof of LHBCoaches?
a) 4200mm b)4390mm **c) 4039mm** d) 4190 mm
742. Approx. "Riding Index" of LHB Coach–
a) 3.5 b) 3.8 **c)2.5** d)3.0
- 743.Distance between inner wheels of LHB -
a) 12340mm b) 10390 mm c)11545mm d) 12010mm
- 744.Distance between centre pivots -
a) 13780mm b) 14030 mm **c)14900mm** d) 14350 mm
- 745.Maximum permissible buffer drop under gross load and worn condition is
a)65mm b) 70mm **c) 75 mm** d) 80mm
- 746.Trip Maintenance Schedule i.e. D1 of LHB Coach is done - a)7±1 days
b) 15 days **c)EveryTrip** d) 30days
- 747.D2 Maintenance Schedule of LHB Coach is done -
a)30 days ± 1days **b) 30 days±3days** c) 30 days ± 5days d) 30 days ± 7days
- 748.D3 Maintenance Schedule i.e. of LHB Coach is done-
a)150 days ± 1days b) 120 days ± 3days **c) 180 days ±15days**d) 90 days ±7days
749. 'SS-I' (Shop Schedule-1) of LHB coach is done-
a) 1 yearb) 2years
c)1.5 year/ 6 lakes Kms earned whichever isearlier
d)3 years/ 6 lakes Kms earned whichever isearlier
- 750.'SS-II' of LHB coach is done-
a)1 year b) 2years
c)1.5 year/ 6 lakes Kms earned whichever isearlier
d) 3 years/ 12 lakes Kms earned whichever isearlier
- 751.On KM basis 'SS- I' of LHB coach is done-
a)5 lakh **b)6lakh** c) 9lakh d) 12 lakh
- 752.On KM basis 'SS -II' of LHB coach is done- ?
a)5lakh b)6lakh **c)12 lakh** d) 24 lakh
- 753.'SS -III' of LHB coaches is done- ?
a)5 years b) 4 years

- c) 3 years/ 12 lakes Kms earned whichever is earlier
d) **6 years/ 24 lakes Kms earned whichever is earlier**

754. 'IOH' of LHB coaches is done -

- a) **18 months** b) 12 months c) 9 months d) 14 months

755. Coidal life of LHB coaches is - ?

- a) 30 years b) 25 years c) **None of the above** d) 35 years

756. Brake power of air brake for Rajdhani coaches from out station is -

- a) **90%** b) 100% c) 85% d) 95%

757. Length of car body of LHB coach is - ?

- a) 24000 mm b) **23540 mm** c) 2400mm d) 24430mm

758. To protect vertical sliding between engine and power car, the device is known as -

- a) Vertical slide protector b) **Restrictor** c) Protecting device. d) None of these

759. What is the wheel base of LHB bogie?

- a) 2440mm b) 2696 mm c) **2560 mm** d) 2570mm

Coach/Shell

760. Side wall of LHB Coaches are manufactured from -

- a) Austenitic steel (SS304M) b) IRSM-41 c) **Ferritic steel (SS-409M)** d) IRSM-44

761. Roof sheet of LHB Coaches are manufactured from -

- a) **Austenitic steel (SS304)** b) IRSM-41 c) Ferritic steel (SS-409) d) IRSM-44

762. End wall of LHB Coaches are manufactured from -

- a) Austenitic steel (SS304M) b) IRSM-41 c) **Ferritic steel (SS-409M)** d) IRSM-44

763. Trough floor of LHB Coaches are manufactured from -

- a) **Austenitic steel (SS304)** b) IRSM-41 c) Ferritic steel (SS-409) d) IRSM-44

764. Cross members of under frame of LHB Coaches are manufactured from

- a) Austenitic steel (SS 304) b) **IRSM-41** c) Ferritic steel (SS-409) d) IRSM-44

765. Thickness of Roof sheets of LHB coaches are -

- a) 2mm & 2.75 b) **1.25 mm & 1.7 mm** c) 3mm & 3.25mm d) 2.75 mm & 2.5mm

766. Thickness of Corrugated sheets of LHB coaches are -

- a) 2mm b) 3mm c) **1.25mm** d) 2.5mm

767. Thickness of side wall sheets of LHB coaches are -

- a) **2 mm** b) 3mm c) 1.25mm d) 2.5mm

768. Sole bar of LHB Coaches are manufactured from -

- a) Austenitic steel (SS 304) b) **IRSM-41** c) Ferritic steel (SS-409) d) IRSM-44

769. Thickness of sole bar of LHB coaches is -

- a) 2mm b) 5mm c) 4mm d) **6mm**

770. Thickness of Roof flange of LHB coaches is -

- a) 2mm b) 5mm c) **4mm** d) 6mm

771. Material of yaw damper bracket of LHB Coaches is -

- a) **Cast steel** b) IRSM-41 c) Ferritic steel (SS-409) d) IRSM-44

772. Yaw damper is fitted on -

- a) Sole bar b) Bogie c) Underframe d) **Between under frame and bogie frame**

773. The Fire Extinguisher used in AC LHB coaches is –
a)Foamtype**b) DCPT**c) CO2type d) None ofthese

774. Fire Extinguisher should be refilled-
a)Everymonth**b) Every 3months**c) **After1year** d) Oneverytrip

BRAKE SYSTEM

775. Torque value of brake caliper mounting bolt is-
a)200NM**b) 170NM**c)150NM d) 190NM

776. What is the principle of brake system used on LHBcoaches?
a)Single pipe air brakesystem
b)Twin pipe air brakesystem
c)Twin pipe with disc brake air brakesystem.
d)None ofthese

777. What is the capacity of ARTank?
a)200ltrsb) 75ltrsc)125ltrs d) 300ltrs

779.125 ltr AR tank used for -
a)Toiletpurpose**b) Brakingpurpose**c)Standby d) None ofthese.

780. 75LtrAR tank used for-
a) Toiletpurposeb) Brakingpurposec) Standby d) None ofthese.

781. What is the capacity of CRTANK?
a)5.0Liters**b) 6.0Liters**c)9.0Liters d) 8.0Liters

782. Bore size of main BP and FP pipe is-
a)45mmbore **b) 25 mmbore**c) 20mmbore d) 18 mmbore

783. Diameter of BC line branch pipe is- ?
a) 25mmb) 20mmc) **18mm** d) 16mm

784. Diameter of brake indicator pipe is- ?
a)18mmb) **10mmc**) 15mm d) 20mm

785. When brake indicator shows 'Red', the brake willbe- ?
a)Released**b)Applied**c)Indicatordefective d)none

786. When brake indicator shows 'Green' the brake will be- ?
(a)Releasedb)Appliedc)Indicatordefective d)none

787. Brake accelerator is a- ?
a)Brake actuatingdevice**b)Emergency brake applicationdevice.**
c)Both a &b)d)None ofthese

788. Principle application of brake accelerator is- ?
a)Emergency braking in each coach ofrakeb)Partial braking in each coach ofrake
c)Similar braking in each coach ofraked)None ofthese

789. Brake accelerator actuates during-
a)Every serviceapplication**b)Emergency brakeapplication** c) Both a &b)d) None ofthese.

790. Minimum rate of pressure required to actuate the brake accelerator-
a)1.2 kg/cm² perminute**b)1.6 kg/cm² perminute**
c)5 to 3.2 kg/ cm²in 3Secd) More than 1.6 kg/cm² perminute

791. Brake accelerator stops venting when BP pressure reached to- a)1.0kg/cm²b) 3.5 -
3.0kg/cm² **c) 2.5 -1.5kg/cm²**d) 1.5 - 1.0kg/cm²

792. Brake accelerator is connected to-
a)FPpipe**b) BPpipe**c)BCpipe d) both a &b
793. How many pressure tanks provided on generatorcar.
a)3**b)2****c)4** d)5
794. What is the capacity of pressure tank provided for parkingbrake?
a)9Ltr**b) 5Ltr.c)6 Ltr.** d) 8Ltr.
795. What is the name of cable provided for hand brake?
a)Handbrake**cable****b) Flex ball****cable**c) Both a&b d) None ofthese
796. How many flex ball cables provided on generatorcar.
a)One**b)Two**c)Four d)Three
797. Flex ball cable directly connected to-
a)Brake**caliper****b) Brake****cylinder**c) Both d) None ofthese
798. 'ASD' stands for-
a)AntiSleep**device****b) Anti slip****device**c) Both a&b d) None ofthese
799. What is the purpose of Anti Skid system?
a)To protect wheels againstskidding b)To maintain same speed of allaxle
c)Both a &b**d)None ofthese**
800. What is the purpose of Dump Valve?
a)To maintain approximate same speed of allaxles b)To protect wheels againstskidding
c) a & b both d)None ofthese
801. The applications of Dump valve is-
a)Onlybraking b) OnlyDe-braking**c)Both brakingandde-braking.** d) None ofthese
802. Electricity required for Dump valve operative-
a)110volt**AC****b) 110 volt****DC**c) 24VoltDC d) 230 VoltAC
803. Anti skid system is a-
a)Electronicsystem**b) Pneumatic****system**c) Electro Pneumatic system **d) both a & c**
804. What is the purpose of speed sensor?
a)To compute the revolutions of eachaxleb)To maintain same speed of eachaxle
c)Either a or**d)None ofthese**
805. What is the limit of air gap between sensor and phonic wheel ?
a)1.0 -5.0 m**b) 1.0 - 10.0mm**c) **0.9 –1.4mm** d) 1.0 – 2.5mm
806. What is the purpose of pressure switch?
a)To actuate anti skid systemb)To provide electric supply to brake accelerator
c)To provide electric supply to dump valve**d)None ofthese**
807. Pressure switch actuate at the train pressure reaches-
a)0.5bar**b) 1bar****c)1.3-1.8bars.** d) 1.5 – 3.0bars
808. In KNORR BREMSE system pressure switch connected to-
a)**F****line**b) **B****line**c) **B****line** d) both a &b
809. In SAB WABCO system pressure switch connected to-
a)BP line**b) F****line**c) BLine d) none ofthese
810. How many brake cylinders are used in LHB coaches?
a)6**b)4****c)8** d) 16

811. If anti skid system not actuate, the reason may be-
- Fuse no. 63, 65 may blown
 - Setting of pressure switch may disturb.
 - Both a & b**
 - None of these
812. The '99' code shown on micro processor means-
- Whole system working perfectly.**
 - Either a or b
 - Some defect in speed sensor.
 - None of these.
813. If micro processor shows '72' code means-
- Temporary fault at one axle
 - Permanent fault at several axles.
 - Volatile fault
 - Permanent fault at one axle**
814. If micro processor shows '73' code means-
- Temporary fault at one axle
 - Permanent fault at several axles**
 - Permanent fault at one axle
 - Both a & b
815. If micro processor shows '95' code means –
- Temporary fault
 - Permanent fault
 - No fault
 - None of these**
816. How much pressure dropped when emergency brake pull box pulled?
- 0.4 kg/cm²
 - 1.0 kg/cm²
 - Almost 3 kg/cm²**
 - None of these
817. Size of choke provided in emergency brake valve is-
- 0.4 mm
 - 2.0 mm
 - 3.0 mm
 - No choke**
818. What is size of air tube run through coach length?
- 8.0 mm
 - 6.0 mm
 - 10.0 mm**
 - 9.0 mm
819. "PEASD" provided in LHB can be reset-
- From under gear of coach only
 - From any where of inside coach
 - From the point where chain pulled**
 - Both a & b
820. How can identified the actual position of chain pulled. ?
- Pull box will in up position & hissing sound heard.
 - Pull box will in down position & hissing sound not heard.
 - Pull box will in down position and hissing sound can hear.**
 - None of these
821. Location of isolating cock provided in 'PEASD' in LHB coaches. ?
- On under gear
 - Near emergency brake valve
 - No isolating cock provided**
 - None of these
822. When emergency pull box pulled from inside the coach. ?
- The air pressure slightly dropped
 - The air pressure dropped.**
 - No pressure dropped
 - None of these.
823. When emergency chain pulled, brake accelerator will-
- Not respond
 - Respond**
 - May be respond
 - None of these.
824. Thickness of new brake pad is- ?
- 35
 - 30
 - 45
 - 38
825. Condemning limit of brake pad is- ?
- 10 mm
 - 7 mm**
 - 8 mm
 - 9 mm
826. Maximum brake cylinder pressure in kg/cm² is- ?
- 3.0 ± 0.1 kg/cm²**
 - 3.8 ± 0.1 kg/cm²
 - 2.8 kg/cm²
 - 4.0 ± 0.1 kg/cm²

827. Maximum gap between brake disc and brake pad is - ?

- a) 3mm **b) 1mm** c) 2mm d) 1.5mm

827. In built slack adjuster in brake cylinder is - ?

- a) Single acting mechanism** b) Double acting mechanism c) No slack adjuster d) None of these

828. The brake cylinder comprises

- a) Power portion **b) Slack adjuster mechanism** c) Spindle reset mechanism d) All above

829. How can brake be replaced?

- a) By opening slack adjuster nut of cylinder **b) By opening brake caliper**
c) Both a & b d) None of these

830. Actual size of tool required to open slack adjuster nut of KB brake cylinder is - ?

- a) 42mm **b) 27mm** c) 36mm d) 40mm

831. Correct direction to open slack adjuster nut of 'KB' make brake cylinder is - ?

- a) Anti clockwise **b) Clockwise** c) Any direction d) None of the above

832. Actual size of tool required to open slack adjuster nut of 'SAB' brake cylinder is -

- a) 46mm **b) 42mm** c) 47mm d) 45mm

833. Dia of 'SAB' make brake cylinder is -

- A) 250mm **b) 256mm** c) 245mm d) 255mm

835. Max. length of brake pad is -

- a) 330 mm **b) 400 mm**
c) 350 mm d) 375 mm

836. Friction area of brake pad is -

- a) 400 cm²** b) 300 cm²
c) 350mm d) 375 cm²

837. If brake cylinder pipe pressure is below 0.6 bars, the brake indicator shows -

- a) Red **b) Green** c) Half R, Half Green d) Yellow

838. If brake cylinder pipe pressure is equal or more than 0.6 bar, the brake indicator shows -

- a) Green **b) Red** c) Half Red, Half Green d) Yellow

839. What is the diameter of brake disc?

- A) 110mm **b) 640 mm** c) 70mm d) 125mm

840. Brake disc made up of -

- a) Gray Cast iron** b) Cast steel c) Special cast steel d) Non of above

841. Fins provided between the brake discs -

- a) For strengthening to the disc **b) For cooling of disc** c) None of these d) Both a & b

842. The brake disc fitted on a same axle at the distance is - ?

- a) 1030mm** b) 1070mm c) 1100mm d) 1125mm

843. Distance of brake disc from inner face of wheel is -

- a) 195mm **b) 175mm** c) 250mm d) 210mm

844. How many types of brake system being used on IR

- a) One b) two c) Three **d) four**
845. Which type of air brake system being used on LHB coaching stock?
a) Single pipe air brake system **b) Twin pipe disc brake system**
c) Twin pipe air brake system d) Vacuum brake system
846. How many type brakes system provided on LHB power car.
a) One **b) Two** c) Three d) Four
847. Handbrake are provided on LHB power cars known as
a) Parking brakes b) Emergency brakes c) Flex ball remote control brakes d) Any of above
848. Hand brakes provided on no. of wheels is –
a) Only one **b) Any two** c) Any three of all d) Any of above
849. What are the main advantages to adopt disc brake system on LHB coaches?
a) Wear and tear on wheels is minimized b) Over all life of wheels is increased
c) Effective braking than old system **d) All above**
850. How many brake discs are provided on one axle?
a) One **b) Two** c) Three d) Four
851. The fins provided in between the brake discs for – ?
a) To provide effective cooling during braking **b) To minimized weight of brake disc**
c) To provide strength to brake disc d) To increase friction property of brake disc
852. How many brake discs are provided on one power car?
a) One **b) Eight** c) Three d) Four
853. How many brake discs provided on LHB coaches are –
a) Four b) Eight **c) Twelve** d) Sixteen
854. How many brake cylinders are provided in an “A” type coach?
a) 2 b) 1 c) 4 d) 8
855. How many brake cylinders are provided on an “AB” Type coach?
a) 1 b) 2 **c) 4** d) 8
856. How many brake cylinders are provided on air brake freight stock?
a) 3 b) 2 **c) 1** d) 4
857. How many brake cylinders are used in a LHB type coaches.
a) 1 b) 6 c) 12 **d) 8**
- 858.** Outer diameter of main BP pipe line is –
a) 20 mm **b) 32 mm** c) 28 mm d) 40 mm
859. Outer diameter of main FP pipe line is –
a) 20 mm b) 40 mm **c) 32 mm** d) 28 mm
860. Outer diameter of main BC pipe line is –
a) 20 mm **b) 18 mm** c) 22 mm d) 10 mm
861. Brake caliper unit mounted on –
a) Bogie cross beam b) Bogie side frame c) Wheel axle d) Any of above
862. By pass system is used in brake system when –
a) F.P pipe broken b) B.P Pipe broken c) Hose pipe broken **d) Any of these**
863. Single pipe system is used in brake system when –
a) F.P pipe broken b) B.P Pipe broken c) Hose pipe broken **d) Any of these**
864. What will you do when one end BP angle cock leakage en route –
a) By pass the coach b) Single pipe the train c) Isolate the line from T-joint **d) Any of above**
865. Brake caliper unit should be checked for –
a) Corroded part b) Worn out pins c) Free leveraged **d) All of above**

866. Brake caliper unit mounted with the help of-
a) M16x60 bolt b) M 12x 60 mm bolt c) M 24x60 mm bolt d) M 20 x60 mm bolt
867. Torque required for brake caliper mounting bolt is-
a) 170 Nm b) 60 Nm c) 200 Nm d) 190 Nm
868. Brake caliper jammed when-
a) Middle pin corroded b) Brake pad pin worn out c) Brake cylinder loose **d) Any of above**
869. What can do to prevent brake caliper unit jamming-
a) Regular clean & lubricate middle pin b) Regular clean & lubricate mounting bolt
c) Clean & lubricate brake pad pin d) Any of above
870. Brake cylinder bellow of brake caliper unit should not be allowed it-
a) Torn below b) Cracked bellowed **c) Bent bellow** d) All of above
871. Brake indicator shows 'Green' when brakes are applied, what reason should be
a) CR of the coach not charged b) Hand release valve stuck up in release position
c) Heavy leaking in B line **d) Any of above**
872. One brake indicator shows 'Green' even brakes are in applied condition is-
a) CR of the coach not charged b) Hand release valve stuck up in release position
c) Brake indicator stuck up in release position d) Any of above
873. During drop test of the rake the maximum drop permitted in BP is-
a) 0.2 kg/cm² b) 0.3 kg/cm² c) 2.0 kg/cm² d) 0.6 kg/cm²
874. During drop test of the rake the maximum drop permitted in FP is- ?
a) 0.2 kg/cm² b) 0.6 kg/cm² c) 2.0 kg/cm² d) 1.0 kg/cm²
875. During the Air brake test of the rake which hose pipe should be connect first ?
a) FP hose pipe **b) BP hose pipe** c) Any hose pipe d) Both hose pipe
876. During Air brake testing after connecting BP hose pipe what should be checked.?
a) Only BP gauge shows pressure b) Only FP gauge shows pressure
c) Both BP & FP gauge shows pressure **d) Any of above**
877. The parking brake pressure tank is charge through-?
a) FP line b) Directly from B line c) Through DV d) Any of above
878. During service application the brakes should apply in-?
a) 20 Sec b) 30 Sec **c) 3-5 Sec.** d) 15-20 Sec
- 879.** During service application the brake accelerator will be-?
a) Definitely respond **b) Does not respond** c) May be respond d) any of above
880. During full brake application the max. Pressure in brake cylinder is
a) 1.6 Kg/Cm² **b) 3.0 Kg/Cm²** c) 3.8 Kg/Cm² d) 4.8 Kg/Cm²
881. Charging time of CR is-?
a) 150 Sec. **b) 160 Sec.** c) 140 Sec. d) 120 Sec.
882. After full brake application the brake should release with in.
a) 10-20 Sec. b) 20-25 Sec. **c) 15-20 Sec** d) 25- 30 Sec.
883. In case of brake binding what should be checked first-
a) Brake binding on one trolley b) Brake binding on both trolley
c) Brake binding on one wheel set **d) All the above**

884. In case of brake binding on both trolley what you do first-
a) Isolate both trolley b) Isolate the DV c) Pull the quick release valve wire d) Any of above
885. In case of brake binding on one trolley what you do first-
a) Isolate both trolley b) Isolate the DV
c) Pull the quick release valve wire **d) Isolate the affected trolley**
886. In case of brake binding on one wheel set what you do first-
a) Check both brake calipers are jammed b) Check dump valve of affected wheel
c) Check both brake cylinder in operative condition **d) Any of the above**
887. In case of brake binding on one brake disc of one wheel set it means- ?
a) The brake cylinder may be defective b) The brake caliper may jam
c) The dump valve may be defective d) Either a or b or both
888. In case of brake binding on one brake disc of one wheel set what you do first ?
a) Check dump valve b) Check WSP fault
c) Remove brake caliper pin d) Loosen slack adjuster nut of brake cylinder
889. In case of brake caliper jammed, what action should be taken to Release the brakes is ?
a) Isolate the trolley **b) Remove brake caliper pivot pin**
c) Remove brake cylinder hose pipe d) Any of above
890. To protect the brake cylinder piston assembly the cover is known as - ?
a) Piston covers b) Brake cylinder cover c) Bellow d) All of above
891. In case of brake binding on both brake disc of one wheel set what you do first
a) Isolate affected trolley b) Remove flexible pipe of BC line of affected wheel set.
c) Loosen slack adjuster nut of both brake cylinder d) Any of above
892. What will happen when brake cylinder bellow got cracked or torn?
a) Nothing will happen **b) Dust can enter into brake cylinder**
c) Pressure may leak through bellow d) None of these
893. What is the reason of twisting of bellows?
a) Dust accumulation between bellow and piston b) Hitting of unknown objects during run
c) Excess application of brake cylinder piston **d) Any of above**
894. How can save the bellows from twisting-
a) Regular cleaning of bellows b) Regular cleaning and lubricating of bellows
c) Regular Over handling of bellows d) All of above
895. If the hand brake indicators shows green even the hand brake is applied the reason will be ?
a) Both indicators are defective b) Parking brake continues having leakage
c) Roller valve of hand brake in operative d) Above b & both
896. The roller valve will not operate, if –
a) Parking brake container is leaky b) Parking brake container is not charged
c) Setting of flex ball cable is not proper d) Any of above
897. What will you do if hand brakes are applied but brake indicators shows green?
a) Check the pressure in pressure tank c) Check the leakage of parking brake line
c) Check the setting of cables **d) All of above**
898. What will you do if hand brake indicators shows 'red' but the hand brakes are in release condition?
a) Check the setting of flex ball cables b) Brakeage of flex ball cables
c) Check the brake cylinder levers are bent or jammed **d) All of above**
899. How can you know if the NRV is defective?

- a) By check FP pressure shown in gauge even only BP hose is connected
- b) By check no pressure in reservoir after cut the FP pressure
- c) above a & b**
- d) Cannot be checked

900. What will happened if no secondary suspension provided

- a) Riding quality will affect
- b) Vertical socks will increase
- c) Wear and tear of parts increased
- d) All of above**

COUPLER/CBC

901. Which type of CBC is fitted in LHBCoaches?

- a) **Eb)Hc)EH**
- d) None of these

902. The CBC fitted on LHBcoaches' has _____ feature.

- a) Antislipping
- b) Antirotation
- c) Anticlimbing**
- d) AntiCreeping

903. The tensile stroke of CBC is-

- a) 53-58mm**
- b) 45-50mm
- c) 60-65 mm
- d) 35-40mm

904. The maximum buffing stroke of CBC is-

- a) 58mm
- b) 75mm
- c) 80mm**
- d) 85mm

905. Horizontal gathering range of CBC is-

- a) 100mm
- b) 110mm**
- c) 95mm
- d) 119mm

906. What is the means of Anticlimbing?

- a) Protection against climbing of one coach to another in case of accident.**
- b) Protection against telescopic of one coach to another in case of accident.
- c) Both a & b
- d) None of these.

907. Oil is strictly prohibited on-

- a) Uncoupling device of CBC
- b) Supporting device of CBC
- c) Coupler head knuckle and locks of CBC**
- d) None of these.

908. Vertical gathering range of CBC is-

- a) 90mm**
- b) 95mm
- c) 85mm
- d) 100mm

909. What is the purpose of supporting device?

- a) To support CBC weight
- b) To equalize vertical forces of CBC
- c) Both a & b**
- d) None of these

910. During coupling operation the speed of vehicle should be-

- a) 3-5 kmph
- b) 2-3 kmph**
- c) 5 kmph
- d) 6-7 kmph

911. During coupling operation the coaches should be-

- a) On a curved track
- b) On a straight track**
- c) Either a or b.
- d) None of these

912. Two coaches will definitely coupled if –

- a) The rotary lock completely down
- b) Inverted 'U' should be clear
- c) Both a & b**
- d) Uncoupling handle in down position.

913. The coupler should be checked by help of gauge at –

- a) Every 4 months
- b) Every 6 months
- c) Every 3 months**
- d) Every 5 months

914. Jaw gap gauge test' is performed when knuckle in-

- a) Closed position**
- b) Open position
- c) a & b
- d) None of above

915. During check of Jaw gap the gauge should be-

- a) Pass through the gap
- b) Must not pass through the gap**
- c) None of above
- d) Can not say

916. If the Jaw gap gauge passes through the gap-

- a) Knuckle is needs to replace
- b) Lock assembly is need to replace**

c) Either a orb

d)None of above

917. Gauging of CBC is done when-

a)**Knuckle in closed position** b)Knuckle in open position c)Either a orb d)None of above

918. During check of contour of knuckle the contour gauge must –

a) Not pass through knuckle **b)Pass through knuckle**c)Either a orb d)None of above

919. The max height of supporting device should be

a)190mmb) 187mmc) **187.5mm** d) 189.5mm

920. To keep the coupler in level, the maximum distance between centre of coupler and lower edge of socket should be ?

a)250mm **b)260mm** c)240mm d) 255mm

921. Maximum torque is required for supporting device bolts.?

a)400NM **b) 200NM** c)500NM d) 550NM

922. Maximum torque is required for base plate bolts. ?

a) 45NM **b)180-200NM** c) 500±25NM d) 55±50NM

923. Max. thickness of shim required for increase of buffe rheight-?

a)3mm b) 5mm c)10mm d) 15mm

WRA & CDTS

924. What is the full form of CDTS?

a)Compact disk toiletsystem b)Compress Disc tuningsystem
c)Control discharge toilet system d)None ofthese

925. What is the full form of WRA?

a)wire relay appliances **b)water raising apparatus**
c)Worker relief arrangement d)None ofthese.

926. What is the function of Solenoid valve/Magnetic Valve?

a)To create airpressure b) This is part of PLC
c)To control the entry of Air pressure d)None of these.

927. How many openings 'Retention Tank' have-

a)One **b)two** c)Three d)four

928. Full form of P.L.C.

a)Programmable Logic Controller b)Private Limited Company
c)Perforated Loco Component d)None ofthese.

929. CDTS works on-

a)Automatically **b) Electrically & pneumatic pressure arrangement**
c)Manually d)None ofthese.

930. Opening of Retention tank activate by-

a)Double acting pneumatic cylinder **b)Automatically** c)Manually d)None ofthese

931. Upper opening of retention tank-

a)Partial open manually b)Always open c)Mostly closed **d)None of this**

932. Lower opening of retention tank opens- ?

a)When retention tank full of waste
b)Predetermined speed and predetermine no. of cycle of flush.
c) It used to be alwaysopen d)None of these

934. Function of pressurizer in CDTS-

a)Delivers pressurised water to flush the waste b)To deliver thewaste
c)To create maximum pressure forsystem d)None ofthese

935. Function of P.L.C in CDTS-
 a) To control the CDTS system **b) To record nos. of flush cycle as well as speed of vehicle**
 c) To record speed of vehicle d) None of these.
936. CDTS system is based on RDSO specification –
 a) MDTs:090 b) MDTs : 089 **c) NO.C 9906** d) None
937. Full form of W.S.P -
 a) Whole System Process b) Whole system procedure
c) Wheel sliding protection d) None of these.
938. Retention tank outlet liding discharge valve remains open
 a) It always open b) It open when train is in running position
 c) Small period of time its open (1 minute or less) **d) None of these**
939. Toilet bowl made up of-
 a) Cast Iron steel b) IRSM41 **c) Stainless steel AISI304** d) None
940. PLC works on-
 a) 240 VAC b) 120 VAC **c) 24 VDC** d) 24 VAC
941. CDTS P.L.C. having-
a) 8 input & 4 output b) 4 input & 4 output c) 4 input & 8 output d) None of these
942. Solenoid valve works
 a) In running condition of train b) In stationary condition of train
c) Based on signal from P.L.C. d) None of these
943. Upper Flapper valve usually open when
 a) Train is in stationary condition b) Train is in running condition
c) Operation of flush button d) None of these.
944. The slides of upper flapper valve & lower slide valve connected with
a) By means of link to two pneumatic cylinder b) By means of wire
 c) By some mechanical arrangement d) None of these.
945. "Fail Safe Mode" of CDTS works-
 a) In case of failure of Braking system b) In case of failure of slide valve
c) In case of failure of loss of air &/or electricity d) None of these
946. In case of retention tank discharge cycle –
 a) Train speed should be less than 10Kmph b) Train speed should be above 20Kmph
c) Train speed should be above 30Kmph d) Train speed should be above 40Kmph.

SUSPENSION & MISCELLANEOUS QUESTIONS

947. Length of bogie is

- a) 3535mm **b) 3534mm** c) 3600mm d) 3530mm
948. Weight of bogie is-
a) 6t **b) 6.92t** c) 7.0t d) 8.0t
949. Width of FIAT Bogie is-
a) 3030mm b) 3240mm c) 3040mm d) 3010mm
950. Distance between centre of two bogies is-
a) 15000 mm **b) 14900mm** c) 19500 mm d) 15090mm
951. Capacity of luggage room of WLRRM is-
a) 3.9t **b) 5.0t** c) 4.5t d) 6.0t
952. Cooling capacity of LHB coach is-
a) 3.9t **b) 22.5KW** c) 22KW d) 25.0KW
953. 'T' type schedule indicates-
a) Weekly schedule **b) Trip schedule** c) Monthly schedule d) six monthly
954. Max. limit of cracks permissible for roll link silent block in depth is-
a) 36.7mm **b) 35 mm** c) 39mm d) 40mm
955. New thickness of primary rubber pad is-
a) 36.7mm b) 30.7mm c) 35.7mm d) 38.2mm
956. Max. permissible limit of crack in depth for primary rubber pad is-
a) Depth = 10mm b) Depth = 15mm c) **Depth = 18mm** d) Depth = 25mm
957. If both side lateral dampers removed from bogies -
a) The coach may derail b) The centre pivots may displace
c) Bolster top plank may twist d) Lateral socks may increase
958. In case of grease oozing, can be seen from-
a) At front sealing ring of bearing b) At bottom plug of bearing housing
c) At backing ring of bearing d) All of above.
959. How much grease is required for Timken make bearing?
a) 300gm **b) 350gm** c) 500 gm d) 400gm
960. What is the advantage of dampers?
a) Suspension may be increased b) Ridding index may be improved
c) Comfort may be increased **d) All of above**
961. Compressed length of Yaw damper is-
a) 800mm **b) 703 ± 3mm** c) 700 ± 3mm d) 800mm ± 3mm
962. Damper eye has 0.5 + 0 1.0mm deep crack on rubber surface, it should be
a) Not replaced b) Replaced c) Either a or b d) None
963. Extended length of yaw damper is-
a) 703 ± 3mm **b) 1083 ± 3mm** c) 700 ± 3mm d) 800 ± 3mm
964. Compressed length of primary vertical damper is-
a) 294 ± 3mm b) 434 ± 3mm c) 298 ± 3mm d) 325 ± 3mm
965. Extended length of primary vertical damper is-
a) 294 ± 3mm b) 434 ± 3mm c) 298 ± 3mm d) 325 ± 3mm
966. Stroke of primary vertical damper is-
a) 160mm **b) 140mm** c) 60mm d) 150mm

967. Overall stroke of yaw damper is-
a)260mm **b) 380mm** c)300mm d) 280mm
968. Compressed length of secondary vertical damper is-
a)240mm **b) 395± 3mm** c)690mm d) 325±3mm
969. Extended length of secondary vertical damper is –
a)240mm **b) 635 ± 3mm** c)240mm d) 325±3mm
970. Compressed length of lateral damper is-
a)400mm b) 360 ± 3mm c)240mm d) 325±3mm
971. Extended length of secondary lateral damper is –
a)395±3mm **b) 545 ±3mm** c)600mm d) 325±3mm
972. Overall stroke of secondary lateral damper is-
a)240mm **b) 185± 3mm** c)690mm d) 325±3mm
973. Capacity of under frame water tank fitted in AC/3tier.
a)650Ltr **b) 685Ltr** c)400Ltr d) 500Ltrs
974. Capacity of water tank provided in toilet for emergency-
a)30Ltr b) 50Ltr c)40Ltr d) 35Ltr
975. The CBC fitted on LHB coaches has-
a)Only pulling action b) Only buffing action c)Both pull & Buffing action **d)Either a or b**
976. What kind of maintenance is used for rolling stock is-?
a)Break down maintenance b)Preventive maintenance **c)Both a & b** d)Either a or b
977. Primary maintenance is a type of ?
a)Break down maintenance **b)Preventive maintenance** c)Safe to run examination d)None of these
978. POH and IOH schedule of Rajdhani coaches is a type of-
a)Break down maintenance **b)Preventive maintenance** c)Both a & b d)Either a or b
979. The maintenance done on pit line is-
a)Secondary maintenance only b)Primary maintenance only c)Safe to run only **d) a & b of above only**
980. The capacity of axle of LHB coach is-
a)13t b) 16t **c)16.25t** d) 22t
981. “Yellow point” is provided on axle boxes indicated for? a)The location where Roller bearing may crack
b) The location where actual temperature of bearing can be measure
c)The No of axle boxes
d)None of these.
982. The main function of anti roll bar is-
a)To allow rolling action of the coach **b)To prevent Rolling action of the coach**
c)To provide strength for bogie d)To negotiate the track curve
983. Free movement of Anti Roll bar is depend upon-
a)Condition of Grease in bracket b)Condition of bearing at both ends
c)Condition of can of bearing **d)All of above**
984. The anti roll bar must be checked for-
a)Any weariness b) Any cracks c) Free movement **d) All the above**
985. Condition of grease of anti roll bar should be checked during every -
a)D1 schedule b) D2 schedule c)D3 schedule **d) All the Above**
986. Grease of anti roll bar should be replaced during every
a)Trips schedule b) D1 schedule **c)D2 schedule** d) D3 schedule
987. The torque required for axle end safety disc.
a)170Nm b) 180Nm c)200Nm d) 590Nm

988. Wheel tapping is done to detect
a) Any hair crack b) Any material flow c) Any wheel shelling d) All the above
989. Shelling on a wheel set the reason maybe
a) WSP system hot function properly b) Brake caliper may jammed
c) One or both brake cylinder may defective **d) All of above**
990. How much shelling on a wheel can be allowed-
a) 50mm **b) 30mm** c) 20mm multiple d) No shelling allowed
991. Control arm fitted with help of-
a) 2 bracket safety plated & 6 bolt **b) 6 bracket, 6- safety plated & 6 bolt**
c) 2 bracket, 2 safety plate & 2 bolt d) None of above
992. Torque required for centre pivot screw is-
a) 170Nm b) 200Nm c) 120Nm d) 70Nm
993. Torque required for control arm bracket bolt is-
a) 200Nm **b) 170Nm** c) 250Nm d) 100Nm
994. During Air brake testing if pressure rise in BP & FP gauge it means-
a) BP and FP gauge are defective **b) Non return valve defective**
c) D.V defective d) None of these
995. What size spanner is used to loosen slack adjuster nut in case of KB make- ?
a) AF43 b) AF24/27 **c) AF36** d) Any of above
- 996.. The NRV is provided in
a) BC Line b) B Line
c) FP line d) All above
997. If the silent block of roll link is shifted one side the roll link -
a) Not required to replace b) Can be allowed for one trip **c) Must be replaced** d) None of these
998. If the silent block of traction link shifted to one side the traction link-
a) Must be replaced b) Not required replacing c) Can be allowed for one trip d) None of these
999. What is the purpose to provide primary dampers-
a) To minimize primary damping b) To support primary springs
c) To improve primary suspension d) All of above
1000. What is the purpose to provide yaw dampers?
a) To minimize rolling motion b) To minimize scattering action of coach
c) To improve riding index d) All the above
1001. The gangway bridge mounting provided for-
a) To provide a bridge between two coaches b) To protect vestibule doors
c) Both a & b d) None of these
1002. The spring leaf is provided for -
a) To keep the fall plate in correct position b) To hold the fall plate
c) To support the fall plate d) Any of above
1003. The supporting bracket of gangway bridge mounting should be checked for ?
a) Corroded b) Broken or loose c) Intact of all bolts **d) All of above**
1004. The items of gangway bridge mounting should be checked during-
a) Trips schedule b) D1 schedule **c) D2 schedule** d) D3 schedule
1005. Why only one lateral damper is provided on each bogie-?
a) To reduce the total cost of coach b) To reduce total weight of coach
c) To improve lateral damping of one side **d) It can control both side lateral movements**
1006. The movement of sliding doors can be adjusted by -
a) Adjusting of cylinder b) Adjusting of belt c) **Adjusting of cylinder screw** d) All of above
1007. The toothed belt is provided on
a) Only on sliding doors b) Only on flap doors
c) Only on vestibule doors d) On both vestibule and sliding doors

1008. For free movement of sliding and vestibule doors
(a) Oil should be provided on shaft
 (b) Grease should be provided on shaft
 (c) Vaseline should be provided on shaft
 (d) Any of above
1009. How many emergency windows are provided on a coach -
 a) Two b) Three **c) Four** d) Six
1010. Can you identify the emergency windows
 a) Provided with Red color handles b) Provided with stickers on each emergency window
c) Above a & b d) None of these
1011. The FR panels are -
a) Fire retardant b) Fire proof
 a) Fire friendly d) All of above
1012. Curtains and Rexene seats provided on LHB coaches are
 a) Fiber made **b) Fire retardant**
 c) Fire proof d) All of above
1013. How many under slung water tanks are provided on ACCN coaches-
 a) 2 **b) 3** c) 4 d) 5
1014. How many under slung water tanks are provided on WLRRM coaches
 a) 2 b) 3 c) 4 **d) 1**
1015. What is the capacity of under slung water tank provided on WLRRM
 a) 630ltr b) 640ltr c) 400ltr **d) 450ltr**
1016. What is the purpose to provide water level indicator on water tanks ?
a) Availability of water b) Capacity of water tank
 c) Location of water tank d) None of these
1017. What is the purpose to provide sensor on water tank?
 a) Availability of water b) Capacity of water tank
 c) Location of water tank **d) To provide signal to pump control**
1018. The sensor is provided on
 a. All water tanks b) Two water tanks
c) One water tank d) None of these
1019. The pump control shows "EMPTY" even the water tank is full of water it means. ?
 a. **Sensor may be defective** b) No water in the tank
 c) Both A & B d) None of these
1020. If the primary spring of an axle box is weak it can be identified by -?
 a. Measuring the distance between control arm top and bogie frame
 b. Measuring the distance between control arm bottom and bogie frame
c. Measuring the deflection of primary damper
 d. Measuring the distance between control arm lug and safety pin
1021. If the luggage door top stopper is missing-
 a) The luggage door will not close b) The luggage door will not open
c) The luggage door lock will not operate d) Either A or B
1022. If the dump valve continuous venting the reason may be -?
 a) Dump valve is defective b) Dump valve electrical supply disturbed
 c) Dump valve stuck up in actuating position **d) WSP is defective**
1023. What is the corrective action if dump valve is venting continuously-?
 a) Reset the WSP system b) Rearrange the WSP System
c) Pull out dump valve connector and reconnect d) Replace the dump valve

1024. The dump valve works only during -
 a)Emergencybraking **b)Serviceapplication**
 c) Deference in speed ofwheel d)Deference in diameter ofwheel
1025. If the speed of all axles is same and emergency braking isapplied the dump valve will-?
 a)Does notrespond **b)Definitelyrespond** c)Only one willrespond d)May berespond
- 1026.Ifthespeedofallaxles isDifferentandemergencybrakingisappliedthe dump valvewill-?
 a)Does notrespond **b)Definitelyrespond**
 c) Only one willrespond d)May berespond
1027. Ifthespeedofallaxles isDifferentinacoachduringtheemergencybraking the dump valve willrespond ?
 a) Whole therake **b)All dump valve of thecoach**
 c)Particular dump valve of thecoach d)None ofthese
1028. The correct action of axle box feeling by manually is
 a. Hold the bare hand on the axle box for 5minutes
 b. Hold the bare hand on the axle box for sometimes
 c. Instant touching of axle box by barehand
d. All ofabove
1029. If only one wheel set is required to change the correct action will be-
 a)Roll out the bothtrolleyb)Roll out the affectedtrolley
 c) Lift the coach withtrolley
d)Dismantle the wheel connections and Lift the coach withtrolley
1030. What can you do to avoid jamming of brakecaliper?
 a) Clean and lubricate the middle pin b)Clean and lubricate the brakeshoe
 c)Periodic checks by rotate slack adjusternut **d) All ofabove**
1031. The brake pads should be of same thicknesson ?
 a)Both caliper of one wheelset b)All caliper of atrolley
 c)Eachcaliper **d)All caliper of bothtrolley**
1032. Ifdifference inthicknessofbrakepadsisappear , thereasoncouldbe - ?
 a. The brake pads fitted with different thicknesspurposely
 b. The caliper is running in jamcondition
 c. The slack adjustment of brake cylinder is notproper
d. Any of theabove
1033. If the brake pads are wearing out in taper condition,the reason could be ?
 a. The brake pads fitted with taper thicknesspurposely
 b. The caliper is running in jamcondition
c. The mounting bush of caliper unit is perished orcracked
 d. Any of theabove
1034. If heavy scratch marks are appears on brake disc, the reason couldbe
 a. The brake pads are worn out beyond condemninglimit
 b. The brake pads aremissing
c. The foreign particle present between brakepads
 d. All ofabove
1035. If the brake pads are wearing out in taper condition, the correct action willbe ?
 a)Allow the brake pads in samecondition b)Replace the brake padsimmediately
 c)Replace the brake caliper unitimmediately **d)None ofthese**
- 1036.If the drain cock of 125 ltr. Reservoir gets open orbroken-
a)The brakes of whole rake willfail b)The 75 ltr reservoir will alsodrain
 c)The 75 ltr reservoir will notaffect d)All ofabove

1037. If NRV of FP line is defective-

- a)Both BP & FP will drain b)Only 125 ltrreservoir will drain
c)Only 75 ltr reservoir will drain d)Any of above

1038.The NRV provided for-

- a)To protect 125 ltr reservoir todrain b)To protect 75 ltrreservoir todrain
c)To protect CR reservoir todrain d)**To protect 125,75ltrreservoir & CR todrain**

1038. The yaw damper will be defective if-

- a)Eye hole bush cracked badly b)Any bolt is missing or broken
c)Damper badly leaky or physically damaged d)**All above**

1039. If one side yaw damper is Leakey-

- a)It will affect the riding quality of coach b)**Coach may be tilted**
c)Secondary spring may broken d)All above

1040. If Secondary vertical damper defective it will affect- ?

- a)The quality of sec.suspension b)The quality of riding index
c)The spring may breakage d)**Any of above**

MAINTENANCE SCHEDULE

1041. How many Maintenance Schedule are generally done in primary Maintenance Depot.

- a) One b) Two c) **Three** d) None

1042. Frequency of D1 Schedule is-

- a)**On Every Trip** b) 7 days c) 15 days d) 30 days

1043. Frequency of D2 Schedule is-

- a)**7 days ± 1 day** b) 10 days ± 1 day c) 15 days ± 1 day d) 30 days ± 3 day

1044. Frequency of D3 Schedule is-

- a) 1 month ± 1 day b) 3 month ± 3 day
c) **6 month ± 15 day** d) 9 month ± 3 day

1045. Intensive cleaning of coaches should be done in-

- a) D1 Schedule b) D2 Schedule c) D3 Schedule d) **D1, D2 & D3**

1046. Inspection of vestibule and its rubber fitting for damage is done in-

- a) D1 Schedule b) D2 Schedule c) **D1, D2 & D3 Schedule** d) D3 Schedule

1047. Thoroughly cleaning and removing dust, rust accumulated at pillars is done in-

- a) D1 Schedule b) D2 Schedule c) D1, D2 & D3 Schedule d) **D3 Schedule**

1048. Examination of sole bar for corrosion is done in-

- a) D1 Schedule b) D2 Schedule c) D1, D2 & D3 Schedule d) **D3 Schedule**

1049. Touching up damaged paint inside and outside in-

- a) **D1 Schedule** b) D2 Schedule c) D2 & D3 Schedule d) D3 Schedule

1050. Checking of bogie bolster assembly and bracket etc in-

- a) D1 Schedule b) D2 Schedule c) **D1, D2 & D3 Schedule** d) D3 Schedule

1051. Washing of bogie frame thoroughly with water jet in-

- a) D1 Schedule b) D2 Schedule c) **D2 & D3 Schedule** d) D3 Schedule

1052. Checking of functionality of brake equipment and hand brake equipment in ?

- a) D1 Schedule b) D2 Schedule c) **D1, D2 & D3 Schedule** d) D3 Schedule

1053. Carrying out of functional test on pneumatic brake system in -?

- a) D1 Schedule b) D2 Schedule c) **D1, D2 & D3 Schedule** d) D3 Schedule

1054. Checking of air hoses is done in-?
a) D1 Schedule b) D2 Schedule **c) D1, D2 & D3 Schedule** d) D3 Schedule
1055. Verifying the clearance between each pad and disc surface- ?
a) D1 Schedule b) D2 Schedule c) D3 Schedule **d) D2 & D3**
1056. Inspection of earthing equipment for wear of carbon bars-?
a) D1 Schedule b) D2 Schedule c) D3 Schedule **d) D2 & D3**
1057. Checking of crack, damage of spring is done in- ?
a) D1 Schedule b) D2 Schedule **c) D1, D2 & D3 Schedule** d) D3 Schedule
1058. Checking of dampers its rubber elements is done in-
a) D1 Schedule b) D2 Schedule **c) D1, D2 & D3 Schedule** d) D3 Schedule
1059. Checking of bearing for hot and grease leakage is done in-
a) D1 Schedule b) D2 Schedule **c) D1, D2 & D3 Schedule** d) D3 Schedule
1060. Checking of wheel profile gauge is done in
a) D1 Schedule b) D2 Schedule **c) D1, D2 & D3 Schedule** d) D3 Schedule
1061. Inspection of Rotation Limiter is done in-
a) D1 Schedule b) D2 Schedule **c) D1, D2 & D3 Schedule** d) D3 Schedule
1062. Checking of tread diameter and wear of wheel profile is done in-
a) D1 Schedule b) D2 Schedule c) D1, D2 & D3 Schedule **d) D3 Schedule**
1063. Inspection of grease oozing out of anti roll bar bearing is done in –
a) D1 Schedule b) D2 Schedule **c) D1, D2 & D3 Schedule** d) D3 Schedule
1064. Lubrication of all pins and bushes is done in-
a) D1 Schedule **b) D2 & D3 Schedule** c) D1, D2 & D3 Schedule d) D3 Schedule
1065. Inspection of coupler head, knuckle for damage is checked in-?
a) D1 Schedule b) D2 Schedule **c) D1, D2 & D3 Schedule** d) D3 Schedule
1066. Checking of tell tale recess for ensuring proper coupling is done in- ?
a) D1 Schedule b) D2 Schedule **c) D1, D2 & D3 Schedule** d) D3 Schedule
1067. Checking of corridor connection for external damage and entry of foreign bodies is done in-?
a) D1 Schedule b) D2 Schedule
c) D1, D2 & D3 Schedule d) D3 Schedule
1068. Cleaning of Air Filter is done in -
a) D1 Schedule b) D2 Schedule c) D1, D2 & D3 Schedule **d) D2 & D3 Schedule**
1069. Draining of Air tank is done in-
a) D1 Schedule b) D2 Schedule
c) D1, D2 & D3 Schedule d) D3 Schedule
1070. Inspection of seats, Luggage rack etc. is done in –?
a) D1 Schedule **b) D2 & D3 Schedule** c) D1, D2 & D3 Schedule d) D3 Schedule
1071. Inspection of Leaf of sliding door is done in-
a) D1 Schedule b) D2 Schedule **c) D1, D2 & D3 Schedule** d) D3 Schedule
1072. Lubrication of door seals with silicon paste is done in-
a) D1 Schedule b) D2 Schedule
c) D1, D2 & D3 Schedule **d) D3 Schedule**

1088. What is certified in propriety article certificate?
 (a) No other brand issuitable
 (b) The is only firm that is manufacturing /stocking theitem
 (c) A similar articles is not manufactured/sold by any other firm which could be used inlieu
(d) All ofthese
1089. Which of the following methods is used for scrap disposal ?
 (a)Byauction(b) Throughtender(c) Throughdirectsale **(d) All ofthese**
1090. Dead stocks should be verified after?
 (a)Fivereyears(b) Three years**(c) Oneyear** (d) Sixmonths
1091. Who verifies the stock?
 (a)ACOS (b) inspector of store department (c)Account clerk **(d) stock verifier**
1092. The stock of imprest stores are verified after every.....
 (a)Sixmonths**(b) Two years**(c)Oneyear (d) None ofthese
1093. Which of the following is the objective of stock verification?
 (a) The materials in stock are of description and as shown in numericalledgers
 (b) Excess instock
 (c) Deficiency instock
(d) All ofthese
1094. Earnest money is the payment made by contractor to
(a) See the seriousness of thecontractor
 (b) Use as safeguard in the event of failing to undertake thework.
 (c) Botha&b (d)None ofthese
1095. Which of following points is considered while putting a firm in the list of approved vendor?
 (a) Past experience of firm for handling the samejob
 (b) Annual turn over& financialsolvency
(c) Technical abilityoffirm (d) All ofthese
1096. Witch of following is not the type of tender
 (a)OpenTender (b) Limited tender
 (c)SingleTender **(d) None ofthese**
1097. Single tender invited when
 (a) There is only one knownmanufacturer
 (b) The work is of highly technical /specialized innature
 (c) There isaccident
(d) All ofthese
1098. The items which have not been issued for past two years and are not likely to be Used with in next two years, are known as ?
 (a)Surplusstore(b) Movable surplusstore**(c) Deadsurplusstore** (d) None ofthese
1099. The items which have not been issued for past 2 years and may be used in coming future, are known as ?
 (a)Surplusstore**(b) Movable surplusstore**(c) Deadsurplusstore (d) None ofthese
1100. Cash imprest is a standing advance of a fixed sum of money to meet
 (a) Petty officeexpenses
 (b) Cost of raw material for the list of indoor patients ofhospital
 (c) Emergent charges witch cannot beforeseen
(d) All ofthese
1101. Why is inventory needed?
 (a) Improve and/or Maintain The desired customer servicelevel
 (b) Meet demandfluctuations
 (c) Quantity purchases at lowprices
(d) All ofthese
1102. Passenger amenities in coaches can be classified as item
 (a)Vital (b)Essential **c)Desirable** (d) Nonmoving

1103. The Imprest cash can be sanctioned by DRM in a division and CWM in a workshop, up to ?
(a) Rs. 50,000 (b) Rs. 1,00,000 (c) Rs. 1,50,000 **(d) Full power**

1104. For buying small items through cash imprest, a single quotation is sufficient for Purchase up to
(a) Rs. 100 **(b) Rs. 2000** (c) Rs. 500 (d) Rs. 1000

ESTABLISHMENT

1105. Which of the following statements do bear the title of Discipline and Appeals Rule in Railways?
(a) The Discipline and Appeal Rules, 1968
(b) The Discipline and Appeal Rules, 1966
(c) The Railway Servants (Discipline and Appeal) Rules, 1968
(d) None of these

1106. What is the current date from which the Railway Servants (D&A) Rules, 1968 came into force ?
(a) On the first day of January, 1968
(b) On the 22nd day of August, 1968
(c) On the first day of October, 1968
(d) None of these

1107. Which No. of standard form is used for issuance of Major penalty charge sheet on disciplinary proceedings?
(a) SF-11 (b) Remove from service **(c) SF-5** (d) None of these

1108. Where appointing authority are not available who should be treated as appointing authority?
(a) Controlling Officer (b) DRM **(c) GM** (d) CPO

1109. Disciplinary Authority while passing orders for imposing a penalty should invariably pass?
(a) Orders for penalty **(b) Speaking order** (c) Oral orders (d) None

1110. Who is the competent authority to make rule on RS (D&A) Rules?
(a) President of India (b) Ministry of Railways (c) Member (Staff) (d) Secretary Rly. Bd.

1111. When casual labours can be governed under the Railway disciplinary rules?
(a) After 4 months from engagement date
(b) After 6 months from engagement date
(c) After attaining temporary status
(d) After regular absorption

1112. Recognised Trade Union official can be allowed to act as defence counsel in DAR cases in ?
(a) 2 Nos. of cases **(b) 3 Nos. of cases**
(c) 5 Nos. of cases (d) Any number of cases

1113. Whether the disciplinary cases initiated against a Rly. Servant and RS (D&A) Rules, subsequently he is expired his case should be
(a) Continue and finalized (b) Sent to Rly. Board (c) Sent to GM **(d) Closed**

1114. What would be correct procedure when a faulty charge-sheet requires modification/addition ?
(a) Canceling the earlier C/sheet with reasons
(b) Without canceling a fresh C/sheet may be issued
(c) Continue the proceedings
(d) None of these

1115. Which of the standard form is required to be used for issuing the order of deemed suspension?
(a) SF-1 (b) SF-3 **(c) SF-2** (d) SF-4

1115(a). How many Annexures are attached with major penalty charge memorandum?
(a) 2 (b) 3 (c) 5 **(d) 4**

1116. A Rly. Servant punished with stoppage of increment simultaneously is going promotion to the next grade. The penalty will given effect to the

- (a) **Promotion of the grade for same period** (b) But not result in greater monetary loss
c) Retrospective effect d) No effect

1117. A person appointed directly to a post grade or time scale of pay can be reduced by way of punishment to a post in lower scale/grade service or to a post which he never held before

- (a) Yes (b) **No** (c) Can be reduced but his pay to be protected (d) None

1118. An acting Rly. Servant can be allowed to act as Defence counsel at a time?

- (a) **2 No. of cases** (b) 3 No. of cases (c) 4 No. of cases (d) 5 No. of cases

1119. For how many cases can a retired Railway employee act as a defense assistant at a time?

- (a) 5 (b) **7** (c) 3 (d) 4

1120. Which deduction from subsistence allowance cannot be made?

- (a) House Rent (b) **P.F. subscription** (c) Income Tax (d) None

1121. Which of the following deduction is prohibited from subsistence allowance?

- (a) House Rent (b) Income Tax (c) **Court attachment** (d) Station debits

1122. Suspension is not a punishment. However suspension visits employee with various disadvantages. Which one of the following is not a disadvantage as a consequence of suspension?

- (a) During the period he cannot leave Hq. Without permission
(b) **He need not sign attendance register**
(c) Privilege passes cannot be availed
(d) No increment is drawn during suspension

1123. When a Rly. Employee placed under suspension but only a minor penalty is imposed, the treatment of the suspension period is as

- (a) Dies non (b) Non duty (c) **Duty** (d) None

1124. If an employee is placed under suspension on the date of retirement, under who is competent to sign the charge sheet?

- a) Charge sheet shall be signed by the Rly. Bd.
b) Charge sheet shall be signed by the GM
c) **Charge sheet shall be signed by the Disciplinary authority as on the date of retirement**
d) President of India

1125. A Railway servant under suspension is entitled to

- (a) Leave his headqrs (b) Have passes for attending PNM/JCM
(c) **Act as defense counsel** (d) None

1126. An employee under suspension can be called to appear at a written examination required for selection to the promotion?

- a) **May be called to appear during suspension**
b) May be called after suspension is over
c) To be decided by the Disciplinary Authority.
d) None of these

1127. Compassionate allowance in case of removed employee may be granted under

- (a) Rule 20 of pension rules, 1993 (b) Rule 64 of pension rules, 1993
(c) **Rule 65 of pension rules, 1993** (d) None

1128. An employee under suspension, when he reports sick, is he eligible for grant of sick leave?

- a) Grant of sick leave (b) Grant of extraordinary leave
c) Grant of Half pay leave (d) **Not grant of sick leave**

1129. How many types of standard forms that are used while initiating action against any Railway employee under D&A Rules, 1968.

- (a) One (b) Five (c) **Eleven** (d) Seven

1130. A Rly. Servant punishment with stoppage of increment for a specified period and becomes due for promotion he should be promoted

- (a) **Immediate effect** (b) After expiry of the penalty
(c) With the approval of GM (d) Cannot be promoted

1131. A Railway servant shall be deemed to have been placed under suspension if he has been put in police custody for a period?

- (a) exceeding 24 hours (b) **exceeding 48 hours** (c) immediate effect (d) none

1132. Review of suspension cases is done

- (a) After 4 months (b) After 3 months (c) **After 2 months** (d) None

1133. When an employee under suspension is acquitted by a court of law?

- (a) **Full pay and allowance are granted** (b) Half pay and allowance for granted
(c) 75% pay and allowance are granted (d) No payment

1134. Compulsory deduction from subsistence allowance?

- (a) PF subscription (b) LIC premium (c) **House rent** (d) Court attachment

1135. 'Gr C' and 'Gr.D' employees under suspension may be given

- (a) 3 sets of pass per calendar year (b) 2 sets of pass
(c) **one set of pass** (d) None of these

1136. Can a railway servant placed under suspension act as a defence helper?

- (a) **A Railway servant act as a defence helper** (b) Decided by Disciplinary Authority
(c) Decided by GM (d) Decided by DRM

1137. Inquiry is not mandatory under Rule

- (a) Rule 5 (b) **Rule 1** (c) Rule 13 (d) None

1138. D&A Rules 1968 will not apply to

- (a) Permanent employee (b) **Apprentice** (c) Casual labour with temporary status (d) None

1139. Inquiry officer's report is to be supplied to

- (a) Presenting officer (b) Controlling officer (c) **Charged officer** (d) None

1140. On transfer from one division to another division, a staff does not report for duty at the new place of posting who will be the competent authority for taking disciplinary action?

- (a) GM (b) **D&A Authority at new place**
(c) D&A authority at old place (d) None

1141. The notice of final penalty should be signed by

- (a) Enquiry officer (b) Controlling officer (c) **Disciplinary authority** (d) None

1142. What would be appropriate disciplinary authority when staff working under the administrative control of DME and misconduct pertains to violations of Commercial rule or safety rules?

- (a) DCM/Sr.DCM (b) DSO/Sr.DSO (c) **DME/Sr.DME** (d) DPO/Sr.DPO

1143. All DAR cases are to be completed within the model time scheduled fixed by the Rly. Board.

- (a) 202 days (b) 300 days (c) **150 days** (d) not specified

1144. Under which Rule of the R.S.(D&A) Rules, 1968 the appellate authority can act as revising authority?

- (a) **Rule-25** (b) Rule -25A (c) Rule-22 (d) Rule-21

1145. A charged employee has a choice for choosing an Assistant Railway employee as defence counsellor. However certain classes of employees are barred as DC's which one of the following classes are barred?

- (a) Vigilance inspector (b) Law Assistant
(c) Railway servants under suspension (d) **None of the above**

1146. Reappointment of Railway employee in cases of removal from service may be considered by the
 (a) Revising authority (b) Disciplinary authority
(c) Higher than the Revising authority (d) None of these
1147. Reduction to a lower stage in a time scale of pay for a period not exceeding 3 years without cumulative effect and not adversely affecting his pension is
 (a) Major penalty (b) **Minor penalty** (c) None (d) Both of these
1148. Penalty of compulsory retirement, removal or dismissed from service should be imposed only by ?
 (a) controlling officer (b) disciplinary authority **(c) appointing authority** (d) none
1149. The following are not in penalty under D&A Rules?
 (a) Censure **(b) Warning** (c) Stoppage of pass (d) The recovery from pay of any pecuniary loss
1150. Whether officers on ad-hoc promotion are competent to initiate disciplinary proceedings?
 (a) YES **(b) NO** (c) Depends on case intensity (d) None of the above .
1151. Which penalty is not recorded in the servicesheet?
 (a) Stoppage of increment (b) Stoppage of passes **(c) Warning** (d) Censure
1152. Whether issuance of inquiry or counseling or Govt. Displeasure can constitute a penalty under D&A Rule?
 (a) is a penalty under D&A Rules **(b) is not a penalty under D&A Rules**
 (c) All are penalty under D&A Rule (d) None of these
1153. Can a disciplinary authority order for stoppage of increment under Rule 6 of the R.S.(D&A) Rules, 1968 effecting from the date of issuance of order or from date of next increment due.
 (a) Yes **(b) No** (c) Not specified (d) none of these
1154. What is the permissible time limit for preferring a revision petition to the revising Authority?
 (a) 60 days **(b) 45 days** (c) 90 days (d) none
1155. Under which circumstances 'ex-parte' inquiry can be held?
(a) Charged official does not appear before I.O. for more than two occasions
 (b) Presenting Officer not appear before IO
 (c) Disciplinary Authority not appear before IO
 (d) None of these.
1156. During the pendency of a penalty of stoppage of pass/PTO whether promotion of a Railway staff will be affected.
 (a) promotion will be affected **(b) promotion will not be affected**
 (c) promotion will effect after expiry of punishment (d) none of these
1157. When it is not practical to hold any inquiry under Rule 9 of the Railway servants (D&A) Rules, whether removal/dismissal can be directly ordered?
 (a) Rule 6 **(b) Rule 14(ii)** (c) Rule 13 (d) None
1158. Is it necessary the Inquiry Officers should be sufficiently senior in rank to the charged official?
(a) Always IO should be senior (b) IO may be junior
 (c) IO may be equal in rank with CE (d) None of these
1159. Who can exercise reversionary power when no appeal has been preferred in terms of Rule 25 (i) (iv)?
(a) The officer not below the rank of DRM (b) The officer not below the rank of JA officer
 (c) The officer not below the rank of PHOD (d) None of the above
1160. Whether it is obligatory of the inquiry officer to inform defense counsel engaged by the charged official in each hearing?
(a) IO should inform DC (b) IO should not inform DC
 (c) DA should inform DC (d) None of these
1161. How many Rules, the Railway Servants (D&A) Rules, do contain and how many parts are they divided.
 (a) 31 Rule in IV parts (b) 25 Rule in VI parts
(c) 31 Rule in VII parts (d) Not at all divided
1162. Which of the following is not termed as penalty under DAR 1968?
 (a) Censure (b) Withdrawing of promotion **(c) Suspension** (d) None

1163. Who is the competent authority to consider the appeal without restriction of timelimit?
 (a)PHOD (b)**GM** (c)DRM (d) HOD
1164. Which authority can imposed cut in pensionarybenefit ?
 (a)GM (b)Rly.Board (c) **PresidentofIndia** (d)None
1165. Whether Revision/Review of cases already finalised before retirement of the Railway employees can be initiated after his retirement with a view to impose a cut in his pensionary benefits?
 (a) Canbeinitiated. (b) **Cannot beinitiated.**
 (c) Can be initiated with the approvalofGM (d) None ofthese.
1166. Whether The Railway servants (D&A) Rules, 1968 are applicable to constable of the Railway protection force?
 (a) Applicable. (b) **Not applicable** (c) Applicable in certain cases(d) None of these
1167. What is Rule 14(II) of the RS(D&A) Rules, 1968.
 a) Removal / Dismissal after an SF 5 is issued.
 b) **Removal / Dismissal without any inquiry when it is not practicable to hold inquiry in a normal manner.**
 c) Compulsory retirement without anyinquiry.
 d) Removal / Dismissal in case ofconviction.
1168. After retirement a charge sheet can be issued only by the
 (a)GM (b) Controllingofficer
 (c) **PresidentofIndia** (d) Chief Personnel Officer Justice of Supreme Court
1169. When inquiry is notnecessary?
 (a) **Charges admittedbyCE** (b) Charges not admitted byCO
 (c) Charges prepared by DA (d) None of these

PASS RULES

1170. What is Pass?
 (a) Pass is aPrivilege.
 (b) To travel inRailway
 (c) **An authority given by Railway to a Railway employeeor to a Person authorizing him to travel in a train gratuitously.**
 (d) None ofthese.
1171. In connection with Privilege pass Family means.
 a)**Wife, Husband, Son/Step sons under the age of 21 years and wholly Dependent. Bonafide student of any recognized University. Unmarried daughter of any age whether earning or not, dependent widow daughter. Railway Doctor's certified invalid son daughter of anyage.**
 b)Wife, Husband, son/Step son/Son-in-law/mother-in-law/daughter of any age. (c)Husband, Wife/Widow mother/son/Step son of any age/Daughter of any age.
 (d)Husband/Wife/Sons/Daughters of any age/Mother-in-law, if father is notalive.
1172. How many sets of P.T.O. issued to the Railway employees?
 a)6 sets both for Gazetted and Non-Gazetted every year from the date ofappointment.
 b)4 sets both for Gazetted and Non-Gazetted every year from the date ofappointment.
 c)3 sets both for Gazetted and Non-Gazetted every year from the date ofappointment.
 d)**6 sets for Gazetted and 4 sets forNon-Gazetted.**
1173. How many sets of School Pass issued to Railway employee?
 (a)6 setsperyear. (b)4 sets peryear (c)**3 setsperyear** (d)5 sets peryear.
1174. Maximum validity for a Privilege Pass?
 (a) 3months(Half-set)(b) 4 months(Full-set) (c) 2months(Half-set) (d) **5 months(Full-set)**
1175. Attendants of Pass Holder is:-
 (a)Parttimeservant.(b)Servant(c)**Full timepaidservant** (d)Anyperson.
1176. Maximum berths given for Reservation to Railway Officer on duty?
 (a)6births(b)**4births** (c)3births (d)2births

1177. When Higher Class Pass issued
(a) On medical ground. (b) On Scouts & Guide (c) None of these (d) Cultural functions
1178. Penalties for loss of 2nd Class Duty pass
 (a) Rs.35/- (b) Rs.10/- **(c) Rs.12.50/-** (d) Rs.20/-
1179. Penalties for loss of 1st Class Duty pass
(a) Rs. 35/- (b) Rs.10/- (c) Rs.12.50/- (d) Rs.20/-
1180. Penalties for loss of trolley pass
 (a) Rs.35/- (b) Rs.10/- (c) Rs.12.50/- **(d) Rs.50/-**
1181. Penalties for loss of 2nd Class privilege pass
 (a) Rs.15/- (b) Rs.10/- (c) Rs.12.50/- **(d) Rs.5/-**
1182. Penalties for loss of 1st Class privilege pass
 (a) Rs.35/- **(b) Rs.10/-** (c) Rs.12.50/- (d) Rs.50/-
1183. Penalties for loss of a School Card Pass/Residential Card Pass. 2nd Class Pass holder
 (a) Rs.10.50/- **(b) Rs.12.50/-** (c) Rs.13.50/- (d) Rs.14.50/-
1184. Penalties for loss of a School Card Pass/Residential Card Pass. 1st & 1st 'A' Pass holder
(a) Rs. 35/- (b) Rs.40/- (c) Rs.45/- (d) Rs.50/-
1185. Issue of Privilege Pass/P.T.Os. are admissible when a staff is on?
(a) Any kind of leave. (b) Only extra ordinary leave.
 (c) Only study leave. (d) Only special disability leave.
1186. Passes are not admissible over Nilgiri Railway during the month (except Gazetted staff)
 (a) January, February, March **(b) April, May, June**
 (c) July, August, September (d) October, November, December.
1187. Full form of P.T.O.
 (a) Personnel Ticket Order (b) Permanent Ticket Order
(c) Privilege Ticket Order (d) Pass & Ticket Order.
1188. Pass/P.T.O. Set means
 (a) Set means 3 sets of pass per year. (b) Set means 6 sets of pass per year.
 (c) Set means 3 sets of pass & 6 sets of P.T.O. per year.
(d) Set means One set of pass or P.T.O. for Outward and Return journey.
1189. Break journey is not permissible in case of
 (a) Transfer Pass (b) School Pass **(c) Settlement Pass.** (d) Post Retd. Complimentary Pass.
1190. How much Service (minimum) is required for Post Retired Complimentary Pass
(a) 20 years (b) 25 years (c) 15 years (d) 33 years
1191. How many break journeys are admissible in Privilege Pass?
 (a) 6 nos. (b) 7 nos. **(c) Any number (En-route)** (d) 5 nos.
1192. On what routes Pass can be issued?
 (a) Any route. **(b) Shortest route & longest route but quicker.**
 (c) Longest route (d) Shortest route with 30% of the longest route.
1193. Irregularity in usage of Passes may be condoned by
 (a) CPO **(b) GM** (c) CME (d) COM
1194. How many School Certificates are required for School Card Pass in a year.
(a) One in a year (b) Four in a year (c) Two in a year (d) One in whole service life
1195. Split Passes are issued to which Railway Servant?
 (a) Only Group 'A' service (b) All Officers **(c) All Railway Servants (A, B, C & D)** (d) Only GM/AGM

LEAVE RULES

1196. How many days of LAP in a calendar year, a permanent/ Temporary Railway servant shall be entitled to get?
 a) 20 days (b) 15 days **(c) 30 days** (d) 45 days
1197. How many days of LHAP in a year, can be credited to an employee?
 a) 30 days (b) 10 days **(c) 20 days** (d) 12 days
1198. A female Railway employee shall be entitled to maternity leave for
 a) 135 days (b) 120 days (c) 90 days **(d) 180 days**

1199. For miscarriage, including abortion, what period of Maternity leave may be granted?
 a) 6 weeks **b) 45 days** c) 7 weeks d) 43 days.
1200. Paternity leave is admissible with less than two surviving children for a period of
 a) 10 days b) 20 days **c) 15 days** d) 25 days
1201. Maximum days of leave on average pay that can be accumulated is
 a) 120 b) 180 c) 190 **d) 300 days**
1202. LAP shall be credited to a Railway servant at the rate of
a) 2 ½ days per month b) 3 days per month
 c) 2 days per month d) 1 ½ days per month
1203. How many days of LHAP can be accumulated to an employee in his service life?
 a) 300 days b) 450 days c) 600 days **d) Unlimited**
1204. A male railway servant may be granted Paternity leave having surviving children
a) Less than two b) One c) Four d) Three
1205. Up to what limit, maternity leave may be combined with any kind of leave?
a) One year b) Two years c) Unlimited d) Six months
1206. Which of the following category is entitled for hospital leave?
 a) Group 'A' & 'B' b) Group 'C' **c) Group 'C' & 'D'** d) Group 'D'
1207. When no leave is admissible under any other rule, the leave granted is known as
 a) LAP b) LHAP c) SPL Leave **d) Extra ordinary leave.**
1208. Maximum encashment of leave on average pay is.....
a) 200 days b) 180 days c) 360 days **d) 300 days**
1209. Who is the authority to sanction Special Disability Leave?
 a) Senior Scale Officer b) J A Grade Officer c) DRM **d) ADRM**
1209. What is the maximum period of leave on Average pay at time that a Railway servant may be granted?
 a) 120 days b) 160 days **c) 180 days** d) 300 days
1210. What is the maximum limit of Leave not due that may be granted to a permanent Rly. Servant during his entire service period?
a) 360 days b) 380 days c) Unlimited d) 300 days
1211. Within which period, Paternity Leave can be granted?
a) Six months b) Three months c) Four months d) 15 days
1212. Special Disability Leave on average pay granted for accident on duty shall not exceed.....
 a) 12 months **b) 24 months** c) 36 months d) 28 months
1213. Paternity leave is also admissible to
 a) Casual Labour **b) Apprentice**
 c) After completion of 180 days of service d) After regular absorption
1214. Staff of which Railway are entitled to avail extra Casual leave?
 a) SER b) ECOR **c) NFR** d) ECR
1215. Commuted leave is admissible on
a) Medical Certificate b) Request of an employee c) Discretion of competent authority d) None
1216. If a Railway employee applies for a kind of leave say LAP, in advance, the competent authority may.....
 a) Sanction as CL b) sanction as LWP
c) refuse to sanction it d) convert it as commuted leave
1217. A Railway servant shall be granted leave of any kind for a continuous period of not exceeding.....
 a) 3 Years b) 4 years **c) 5 years** d) 6 years
1218. How many occasions does a workshop staff be granted half a day's LAP?
a) 6 occasions b) 10 occasions c) 6 occasions d) 12 occasions
1219. Hospital leave granted to a non-Gazetted Rly. Servant should not exceed a total of..... when combined with other leave
 a) 24 months b) 26 months **c) 28 months** d) 18 months

1220. What is the maximum limitation of Leave Not Due granted on medical certificate during the entire period of service?

- a) **360 days** b) 365 days c) 370 days d) 390 days

1221. Maximum of study leave that can be granted to an employee during his entire service period is

- a) **36 months** b) 28 months c) 24 months d) 30 months

1222. Which of the following leave may be granted to a Rly. Servant, Volunteered to donate blood in Govt./Rly. Hospitals for railway employees.

- a) **Special Casual leave** b) casual leave c) LAP d) LHAP

1223. If a railway servant resigns from service during study leave, and it is converted into regular

leave as LAP/LHAP leaving balance, such a balance shall be treated as....

- a) unauthorized absence **b) Extra ordinary leave**
c) Study leave d) Leave not due

1224. Who is the Authority to grant study leave abroad?

- a) **Rly. Board** b) GM c) DRM d) CPO

1225. Who is the Competent Authority to grant study leave within India?

- a) **Rly. Board** b) GM c) DRM/CWM d) CPO

1226. Who is the Competent Authority to grant study leave for Group 'C' & 'D' categories within India?

- a) Rly. Board b) GM **c) DRM/CWM** d) CPO

1227. What is the Maximum joining time admissible to a Railway Servant?

- a) 10 days b) 12 days **c) 15 days** d) 16 days

1228. Which of the following employee does Special Casual leave is admissible under family welfare scheme?

- a) Male employee b) Female employee **c) Both male & female employee** d) None

1229. Under small family norms a railway employee is entitled to get Special Casual leave up to

- a) **14 days** b) 16 days c) 20 days d) 25 days

1230. Special Casual Leave is admissible for employees who reside at a place where the date of polling is different from that of place

- a) **1 day** b) 2 days c) 3 days d) 4 days

1231. Who is the authority to grant Special Casual Leave for Bundh, Curfew or other disturbances?

- a) PHOD **b) HOD** c) DRM d) ADRM

1232. What is the maximum Casual leave admissible in a calendar year for scouting/Sports activities?

- a) 30 days b) 45 days **c) 15 days** d) 25 days

1233. If the transfer involves change of station, and the distance between the old and new station is less than 1000 k.ms, how many days of joining time is admissible?

- a) Not more than 5 days **b) 10 days** c) 12 days d) 15 days

ARITHMETIC

1234) $3456 \div 12 \div 8 = ?$

- a) 25 **b) 36** c) 56 d) 48

1235) $13 \times 252 \div 42 + 170 = ? + 47$

- a) **201** b) 345 c) 430 d) 248

1236) $\frac{(6+6+6+6) \div 6}{4+4+4+4 \div 4}$

- a) $\frac{3}{13}$ b) $\frac{6}{31}$ **c) $\frac{4}{13}$** d) 13

1237) $108 \div 36$ of $\frac{1}{4} + \frac{2}{5} \times 3\frac{1}{4}$

- a) $12\frac{3}{13}$ b) $12\frac{3}{10}$ c) $\frac{4}{13}$ **d) $\frac{3}{10}$**

- 1238) Find the average of the following set of numbers: 354, 281, 623, 518, 447, 702, 876.
 a) **543** b) 542 c) 351 d) 345
- 1239) The body weight of six boys is recorded as 54kg, 64kg, 74kg, 67kg, 45kg and 91kg. What is the average body weight of all six boys?
 a) 67kg b) 39kg c) **66kg** d) 75kg
- 1240) Find the average of all prime numbers between 30 and 50.
 a) 38.6 b) 36 c) **39.8** d) 48
- 1241) Find the average of first 40 natural numbers.
 a) **20.5** b) 32.9 c) 39.8 d) 10.9
- 1242) A man bought 5 shirts at Rs. 450 each, 4 trousers at Rs. 750 each and 12 pairs of shoes at Rs. 750 each. What is the average expenditure per article?
 a) Rs. 543.45 b) **Rs. 678.57** c) Rs. 453.51 d) Rs. 134.55
- 1243) 13 chairs and 5 tables were bought for Rs. 8280. If the average cost of a table be Rs. 1227, what is the average cost of a chair?
 a) Rs. 434 b) Rs. 325 c) **Rs. 165** d) Rs. 135
- 1244) The average age of a man and his son is 40 years. The ratio of their ages is 11:5 respectively. What is the son's age?
 a) **25 years.** b) 34 years. c) 56 years d) 48 years
- 1245) The average monthly expenditure of a family was Rs. 2200 during the first 3 months; Rs. 2250 during the next 4 months and Rs. 3120 during the last 5 months of a year. If the total savings during the years were Rs. 1260, find the average monthly income of a family.
 a) **Rs. 2705** b) Rs. 5300 c) Rs. 2124 d) Rs. 2708
- 1246) The average of a class of 39 students is 15 years. If the age of the teacher be included then the average increases by 3 months. Find the age of the teacher.
 a) 28 years. b) 34 years. c) 23 years d) **25 years**
- 1247) Mansi purchased a car for Rs. 2,50,000 and sold it for Rs. 3,48,000. What is the present profit she made on the car?
 a) 31.1% b) 36 c) **39.2%** d) 48%
- 1248) If C.P. is Rs. 2516 and S.P. is Rs. 2272, find the percentage loss.
 a) **9.69%** b) 10% c) 20.2% d) 48%
- 1249) Find S.P. when. C.P. = Rs. 56.25, Gain = 20%.
 a) Rs. 27 b) **67.50** c) Rs. 21 d) Rs. 87.09
- 1250) A gold bracelet is sold for Rs. 14500 at a loss of 20%. What is the cost price of the gold bracelet?
 a) Rs. 27055 b) Rs. 23008 c) Rs. 12124 d) **Rs. 18125**
- 1251) The owner of a cell phone charger his customer 23% more than the cost price. If a customer paid Rs. 7011 for a cell phone, then what was the cost price of the phone?
 a) Rs. 2705 b) **Rs. 5700** c) Rs. 2124 d) Rs. 8125
- 1252) By selling 33 metres of cloth, one gains the selling price of 11 metres. Find the gain percent.
 a) **50%** b) 10% c) 20% d) 72%

1253) If the manufacturer gains 10%, the wholesale dealer 15% and the retailer 25%, then find the cost of production of a table, the retail price of which is Rs. 1265?

- a) **Rs.800** b)Rs.230 c)Rs.124 d) Rs.8056

1254) A Tradesman sold an article at a loss of 20%. If the selling price had been increased by Rs.100, there would have been a gain of 5%. What was the cost price of the article?

- a)Rs.300 b)Rs.500 c)Rs.600 **d) Rs.400**

1255) A man sold two flats for Rs.6,75,958 each. On one he gains 16% while on the other he losses 16%. How much does he gain or lose in the Whole transaction?

- a)2.56%** b)10.5% c)1% d) 17%

1256) If Roger can do a piece of work in 8 days and Anthony can complete the same work in 5 days, in how many days will both of them together complete it?

- a) $3\frac{1}{13}$ b) $\frac{6}{31}$ c) $2\frac{4}{13}$ d) 13

1257) A and B together can complete a piece of work in 15 days and B alone in 20 days. In how many days can A alone complete the work?

- a) $\frac{1}{60}$ b) $\frac{6}{31}$ c) $\frac{4}{13}$ d) 1.9

1258) A alone can complete a piece of work Rs.300 in 6 days, but by engaging an assistant, the work is completed in 4 days. Find the share to be received by the assistant.

- a)100** b)200 c)300 d)400

1259) A and B undertake to do a piece of work for Rs.600. A alone can do it in 6 days while B alone can do it in 8 days. with the help of C, they finish it in 3 days. Find the share of each.

- a)Rs.75** b)Rs.50 c)Rs.95 d) Rs.40

1260) A is twice as good a workman as B and together they finish a piece of work in 18 days. In how many days will A alone finish the work?

- a) $\frac{2}{30}$ b) $\frac{1}{61}$ c) $\frac{1}{34}$ **d) $\frac{1}{27}$**

1261) A can do a piece of work in 80 days. He work at it for 10 days and then B alone finishes the remaining work in 42 days. In how much time will A and B working together, finish the work?
a)30 days b) 40 days c)50 days d)20 days

1262) A and B can do a piece of work in 45 and 40 days respectively. They began the work togetherbutaleavesaftersomedaysandBfinishedtheremainingworkin23days.Afterhowmany days did a leave?
a)12days b)9days c)5days d)6days

1263) A100-mlongtrainisrunningatthespeedof30km/hr.Findthetimetakenbyittopasa man standing near the railwayline.?
a) 8sec. b)10sec. c)12sec. d) 6sec.

1264) A 160-m long train crosses a 160-m long platform in 16 sec. find the speed of thetrain.
a) 80km/hr b)72km/hr c)52.3km/hr d) 50.08km/hr

1265) A person standing on a railway platform noticed that a train took 21 seconds to completely pass through the platform which was 84m long and it took 9 seconds in passing him. Find the speed of the train in km/hr.
a)25.2km/hr b)50.08km/hr c)10.9km/hr d)30km/hr

1266) Atraintravellingwithcontentspeedcrossesa90mlongplatformin12secand a120mlong platform in 15 sec. find the length of the train and its speed.
a)20m,40km/hr b)20m,10km/hr c)50m,30km/hr d)30m,36km/hr

1267) A 150-m long train is running with a speed of 68kmph.In what time will it pass a man who is running at 8 kmph in the same direction in which the train is going?
a)9sec. b)10sec. c)5sec. d) 6sec.

1268) A 220-m long train is running with a speed of 59kmph.In what time will it pass a man who is running at 7kmph in the direction opposite to that in which the train is going?
a)8sec. b)10sec. c)12sec. d) 6sec.

1269) Two trains 240 metres and 270 meters in length are running towards each other on parallel lines, one at the rate of 60kmph and another at 48kmph. How much time will they take to Cross each other?
a)17sec. b)80sec. c)12sec. d) 12sec.

1270) A train 100m long travelling at 60 km/hr passes another train , twice as fast as this train and travelling in opposite direction ,in 10 sec. find the length of the second train.
a)400m b)300m c)500m d) 460m

1271) A man sitting in a train which is travelling at 50kmph observes that a goods traintravelling in opposite direction, takes 9 sec to pass him if the goods train is 280m long ,findits speed.
a)62kmph b)78kmph c)42kmph d)25kmph

1272) Find the simple interest on Rs.68000 at $16\frac{2}{3}\%$ per annum for 9 months.
a)6807 b)2458 c)8500 d)9600

1273)Find the simple interest on Rs.3000 at $6\frac{1}{4}\%$ per annum for the period from 4th feb 2009 to 18th April 2009. ?
(a)78.25 Rs (b)37.50Rs (c)90.48Rs (d)50.03Rs

1274) The simple interest accrued on an amount of Rs 2500 at the end of six years is Rs 1875. What would be the simple interest accrued on an amount of Rs 6875 at the same rate and for the same period?

- a) **5156.25** b) 2583.78 c) 7894.54 d) 3456.25

1275) A sum of Rs 800 amounts to Rs 920 in 3 years at simple interest. If the interest rate is increased by 3% it would amount to how much?

- a) 829 b) 628 c) 956 **d) 992**

1276) In a km race, A beats B by 28 metres or 7 sec. then find A's time over the course.

- a) 5sec b) 9sec **c) 3sec** d) 6sec

1277) A man can row 18 kmph in still water. It takes him thrice as long to row up as to row down the river. Find the rate of stream.

- a) 9 km/hr** b) 2.5 km/hr c) 7.6 km/hr d) 5 km/hr

1278) A can run 1 km in 3 min 10 sec and B can cover the same distance in 3 min 20 sec. By what distance can A beat B?

- a) 70m b) 80m c) 40m **d) 50m**

1279) In a 100 m race, A beats B by 25 m and B beats C by 4 m. In the same race, find the distance by which A beats C.

- a) 40m **b) 28m** c) 18m d) 40m

1280) Find the H.C.F. of $2^3 \times 3^2 \times 5 \times 7^4$, $2^2 \times 3^5 \times 5^2 \times 7^3$, $2^3 \times 5^3 \times 7^2$.

- a) 980** b) 480 c) 810 d) 740

1281) Find the H.C.F. of:- 42, 63, and 140?

- a) 5 b) 4 c) 4 **d) 7**

1282) Reduce $\frac{391}{667}$ to lowest terms.

- a) $\frac{78}{34}$ b) $\frac{18}{34}$ **c) $\frac{17}{29}$** d) $\frac{21}{97}$

1283) Find the L.C.M of 16,24,36 and 54.

a) **432**

b)470

c)440

d)520

BCNHL & MBS

1284. Type of steel used for construction of BCNHL wagon
a) **StainlessSteel** b)MildSteel c) Carton Steel d) CarbonSteel
1285. Tare weight of BCNHL wagon
a)25.0t b)**20.8 t** c)22.8t d) 24.8t
1286. Carrying capacity of BCNHL wagon
a)78.8t b)66.2t c)**70.8t** d) 56.7t
1287. Axle load of BCNHL wagon
a)**22.9t** b)20.3t c)24 t d) 20t
1288. Width of BCNHL wagon
a)3200mm b)**3450 mm** c)3250mm d) 3500t
1289. Overall height of BCNHL wagon
a)**4305mm** b)4017 mm c)4205mm d) 4027mm
1290. No. of BCNHL wagons that can be accommodated in one rake
a)42 b)44 c)**58** d)61
1291. Minimum length of loop line in stations as per G & SR
a)536M b)**650M** c)586 M d) 686M
1292. Side body thickness of BCNHL wagon
a)3.15mm b)**2.5mm** c)3.5mm d) 1.15mm
1292. Floor plate thickness of BCNHL wagon
a)5mm b) 3.5mm c) **4mm** d) 2mm
1293. In place of riveting _____ is used in BCNHL wagon
A)Welding b) **Huck bolting** c)Bolting d) None of the above
1294. Size of Brake cylinder used in BCNHL wagon
a)355mm b)208mm c)**300 mm** d) 286mm
1295. Type of SAB used in BCNHL wagon
a) **IRSA-750** b)IRSA-600 c)IRSA-400 d)IRSA-500
1296. SAB-e dimension of IRSA-750
a) 555 to 575mm b)560±10mm c) **560±25mm** d)560±5 mm
1297. Type of Brake blocks used in BCNHL wagon
a)L-type b)**K-type** c) Both L& K d) CastIron
1298. Type of center pivot provided in BCNHL wagon
a)**Flatpivot** b)Sphericalpivot c)Diamondpivot d) None of the above
1299. Which of the following model of CBC is used in BCNHL wagon
a)E-type b)F-type c)**E/F-type** d)H-type
1300. Alphabetical code available beside CBC of BCNHL wagon indicates
a) **Make of CBC & Draftgear** b) Make of CBC Only
c) Make of Draftgear only d) None of the above
1301. Warranty period for imported CBC/Draft gear used in BCNHL wagon
a) 60 months from date of delivery and fitment b) 72 months from date of delivery
c) 60 months from date of fitment d) **both B & C**
1302. Type of electrode used for welding repairs on BCNHL wagon (SS to SS)
a)Class-A1 b)Class-B2 c)Class-M1 d)**Class-M2**
1304. Type of electrode used for welding repairs on BCNHL wagon (SS to MS)
a)Class-A1 b)Class-B1 c)Class-M1 d)**Class-D**

1305. Type of electrode used for welding of MS toMS ?
a)Class-A1 b)Class-B2 **c)Class-C** d) Class-D1
1306. What is MBS in connection withwagon ?
a) Model Brake system **b) Modified Brake system**
c) MechanicalBrakesystem d) Modern Brake system
1307. In MBS brake cylinders used arecalled ?
a) Bogie Mounted brake cylinder b) Under frame mounted brake cylinder
c) Both of the above d) None of the above
1308. Size of BMBC in wagon ?
a) 10" b)12" c)14" d)8"
1309. Manual load empty change over lever not available inMBS ?
a) False **b) True** c) Not specified d) None of the above
1310. In place of loademptybox _____ is provided inMBS?
a)LSD b)LSV **c) APM** d) APV
1311. APM standsfor ?
a) AutomaticPipeMeasure b) Automatic PressureMeasure
c) AutoPressureMechanism **d) Automatic PressureMaitainer**
1312. Pressure allowed in to BC in empty condition ofMBS?
a) 1.1±0.1Kg/Cm² **b) 2.2±0.25Kg/Cm²** c)3.8±0.1Kg/Cm² d)3.8± 0.25Kg/Cm²
1313. Pressure allowed in to BC in loaded condition ofMBS ?
a) 1.1±0.1Kg/Cm² b) 2.2±0.25Kg/Cm² **c) 3.8±0.1 Kg/Cm²** d)3.8± 0.25Kg/Cm²
1314. Type of brake blocks used inMBS ?
a)L-type **b)K-type** c) Both L& K d) CastIron
1315. Brake application and release times of wagon fitted with MBS aredifferent form conventional air brakesystem ?
a)True **b) False** c)Can'tsayd) Not specified
1316. Piston stroke ofBMBS ?
a) 44±10mmapprox.**b) 54±10 mmapprox.**c) 64±10mmapprox. d)74±10 mmapprox.
- 1317.APM is fittedon ?
a)CASNUBtrolley **b) Under frame of body**c)EndBody d) Near the wheels
1318. Type of slack adjusting available inMBS ?
a) Single acting**b)Doubleacting** c) Boththeabove d) None of theabove

Bio-Toilet

1319. What is the thickness of the body sheet for Bio-digester tank?
(a) 5 mmSSsheet (b) 5 mmMSsheet **(c) 3mmSSsheet** (b) 3 mm MSsheet
1320. Thickness of sheet in inside partition of Bio digesteris
(a) 3 mmSSsheet (b) 3 mmMSsheet **(c) 2mmSSsheet** (b) 2 mm MSsheet
1321. What is the weight of empty Bio-ToiletTank?
(a)115Kg (b)125Kg (c)100 Kg (b) 150Kg
1322. What is the size of ICF coach Bio-digester (H x W x L)?
(a)450mm x 550mm x 700mm **(b) 540 mm x 1150 mm x720 mm**
(c) 540mm x 1000mm x720mm (d) 450mm x 1150mm x720mm
1323. What is the size of LHB coach Bio-digester (H X W X L)?
(a) 547mm X 580 mm X1680mm (b) 547 mm x 550mm x1600mm (c)
540mm x 580mm x 1600mm(d) 547mm x 580mm x1650mm

1324. What is the effective volume of Bio-Toilet tank?
 (a) 150lit (b) 200lit (c) **300lit** (d) 350lit
1325. What is the height of Bio-Toilet tank from Rail level?
 (a) 250mm (b) **225 mm** (c) 275 mm (d) 290mm
1326. Flow of human waste from 1st and last chamber is passed through?
 (a) Gravity method (b) Siphon method (c) **Pipe arrangement** (d) Lifting arrangement
1327. What is full name of TPE connector?
 (a) Thermoplastic electron (b) **Thermoplastic Polyurethane Material**
 (c) Thermoplastic Polyurethane Membrane (d) None of the above
1328. Green band on exterior below toilet glass indicates, that the coach is provided with ?
 (a) CDS (b) **Bio-Toilet** (c) Vacuum Toilet (d) Vacuum cleaner
1329. How many compartments are provided inside the Bio-Digester ?
 (a) **6** (b) 8 (c) 4 (d) 10
1330. Why 6 compartments are provided inside the Bio-Digester ?
 (a) To increase surface area of Bio-Digester (b) To increase the volume of Bio-Digester
 (c) **To give sufficient time for growth of bacteria** (d) None of the above
1331. Growth of bacteria occurs in which area of Bio-Toilet ?
 (a) Compartment walls (b) **Poly Grass Mat** (c) Bottom of chambers (d) Top of chambers

Official language Hindi

1332. When was Official language Act 1963 passed ?
 (a) 10.06.1963 (b) 12.06.1963 (c) **10.05.1963** (d) 12.05.1963
1333. Who the first chairman of the Official language commission?
 (a) O M Mehta (b) B N Mishra (c) M G Shah (d) **B G Kher**
1334. What is the expansion for OLIC used by Dept. of Official Language ?
 (a) Official Language of Implementation Center
 (b) **Official Language Implementation Committee**
 (c) Official Language Information center
 (d) Official language information Committee
1335. From which course a category 'D' employee required to be trained ?
 (a) **From Prabodh** (b) From Praveen (c) From Pragya (d) From Parangat
1336. Who is the chairman of Parliamentary Official Language Committee ?
 (a) Minister of Railways (b) **Minister of Home Affairs**
 (c) Chairman of Official language department (d) Prime Minister
1337. Mention the name of the award to be given for writing original Hindi Books on Technical subject by railway Board ?
 (a) **Lal Bahadur Shastri Award** (b) Maithili Sharan Gupta Award
 (c) Premchand Award (d) Kamalapati Swarna Padak Award

1338. Mention the name of the Award to be given for writing story/novel writing in Hindi by Railway Board ?
 (a) LalBahudurshastri Award (b) Maithili SharanGupt Award
(c) Premchand Award (d) KamalapatiswarnaPadak Award
1339. Mention the name of the Award to be given for writing the book of Hindi poems, by the Railway Board ?
 (a) LalBahudurshastri Award **(b) Maithili SharanGupt Award**
 (c) Premchand Award (d) KamalapatiswarnaPadak Award
1340. Who is the Chairman of Rail Hindi SalahkarCommittee ?
(a) Minister of Railways(b) Minister of Home Home Affairs
 (c) Chaiman of Official language department (d) Prime Minister
1341. What is the Official Language of Union of India?
 (a) Hindi in Rajnagari Script **(b) Hindi in Devnagari Script**
 (c) Hindi in Divenagari Script (d) Hindi in Devinagaree Script
1342. When is "Hindi Day" celebrated every year?
 (a) November 13th(b) February 14th**(c) September 14th** (d) October 13th
1343. What is the Official Language of Arunachal Pradesh?
 (a) Hindi (b) Santali (c) Dogri **(d) English**
1344. Name the article in which the provision of the Eighth schedule of the constitution is available ?
 (a) Article -120 **(b) Article-344(1) & 351**(c) Article -210(d) Article-343(1) & 350
1345. When was Official Language Act 1963 amended?
(a) 1967(b) 1955 (c) 1976 (d) 1965
1346. When was the Official Language Rules passed ?
 (a) 1967(b) 1955 **(c) 1976**(d) 1965
1347. In compliance of article 344 when was the Official Language Commission formed ?
 (a) 1967 **(b) 1955**(c) 1976(d) 1965
1348. From when did the Sec 3(3) of Official Languages Act take effect ?
 (a) 1967(b) 1955(c) 1976 **(d) 1965**
1349. Which Article comes under Part VI ?
 (a) Article -120(b) Article-344(1) & 351 **(c) Article -210** (d) Article-343(1) & 350
1350. In which article is the provision regarding OL policy available in Part V of the constitution?
(a) Article -120(b) Article-344(1) & 351(c) Article -210(d) Article-343(1) & 350
1351. Who is the Chairman of Central Hindi Committee ?
 (a) Minister of Railways (b) Minister of Home Home Affairs
 (c) Chaiman of Official language department (d) **Prime Minister**
1352. What is the periodicity of the meetings of Town Official Language Implementation committee ?
 (a) Once in 6 Months **(b) Once in 3 Months**(c) Once in 8 Months(d) Once in 5 Months
1353. What is the periodicity of the meeting of Town Official Language Implementation Committee ?
(a) Once in 6 Months(b) Once in 3 Months(c) Once in 8 Months(d) Once in 5 Months
1354. From which course a category 'C' employee required to be trained ?
 (a) From Prabodh **(b) From Praveen** (c) From Pragya (d) From Parangat

1355. What is the Foreign Language included in the Eighth Schedule ?
 (a) Santali (b) Bengali (c) **Nepali** (d) Mythil
1356. What is the amount for passing Hindi Stenography with 95% or more marks ?
 (a) Rs.1000/- (b) **Rs.2400/-** (c) Rs.3000/- (d) Rs.1400/-
1357. What is the honorarium amount given to Part-time Hindi Librarian ?
 (a) **Rs.1000/-** (b) Rs.2400/- (c) Rs.3000/- (d) Rs.1100/-
1358. What is the Lumpsum award given for passing Hindi Stenography Examination?
 (a) Rs.1000/- (b) Rs.2400/- (c) **Rs.3000/-** (d) Rs.1100/-
1359. Nepali Language is the State Language of which state?
 (a) **Sikkim** (b) Nagaland (c) Nepal (d) Haryana
1360. when was first time 'World Hindi Day' is Observed ?
 (a) 16 January 2006 (b) 10 February 2006 (c) **10 January 2006** (d) 16 February 2006
1361. What is the amount for passing Hindi Stenography with 92% or more but less than 95% marks ?
 (a) Rs.1000/- (b) Rs.2400/- (c) Rs.3000/- (d) **Rs.1600/-**
1362. What is the amount for passing Hindi Stenography with 88% or more but less than 92% marks ?
 (a) Rs.1000/- (b) Rs.2400/- (c) **Rs.800/-** (d) Rs.1600/-
1363. According to Official Language Rules, Tamilnadu falls under which region ?
 (a) Region 'A' (b) **Region 'C'** (c) Region 'B' (d) Non of this
1364. Which is the Official language of Goa ?
 (a) Hindi (b) Panaji (c) **Konkani** (d) English
1365. Central Government Offices shall be notified under which O.L. Rule?
 (a) **Rule - 10(4)** (b) Rule - 9(4) (c) Rule- 9(d) Rule -10
1366. Which Rule of Official Language Rule mentions about the Proficiency of the Officer/ Employee ?
 (a) Rule - 10(4) (b) Rule - 9(4) (c) **Rule- 9** (d) Rule-10
1367. What is the amount of Honorarium given to the OLIC Clerks ?
 (a) Rs.1000/- (b) Rs.400/- (c) Rs.800/- (d) **Rs.600/-**
1368. According to Official Languages Rules, Andaman & Nicobar Islands fall under which region?
 (a) **Region 'A'** (b) Region 'C' (c) Region 'B' (d) Non of this
1369. Which are the classified under Region "B" ?
 (a) Jharkhand , Haryana (b) **Gujarat, Maharashtra** (c) Tripura, Mizoram (d) Meghalaya, Rajasthan
1370. In which course a Category "B" employee, defined under Hindi Teaching Scheme required to be trained?
 (a) From Prabodh (b) From Praveen (c) **From Pragya** (d) From Parangat
1371. How many prizes and what is the amount given to the Stations/Offices/Workshops situated in the 'C' region by Official Language Department, Ministry of Railways?
 (a) **Rail MantriRajbhasha Shield + ₹ 14,000/- Cash** (b) Rail MantriRajbhasha Rolling Trophy
 (c) Rail MantriRajbhasha Rolling Shield (d) Memento + ₹ 1000/- & Certificate
1372. What is the first prize given to the Divisions located in the 'C' region by the Official Language Department, Ministry of Railways?
 (a) Rail MantriRajbhasha Shield + ₹ 14,000/- Cash (b) Rail MantriRajbhasha Rolling Trophy
 (c) **Rail MantriRajbhasha Rolling Shield** (d) Memento + ₹ 1000/- & Certificate

1373. What is the second prize given to the Divisions located in the 'C' region by the Official Language Department, Ministry of Railways?

- (a) Rail MantriRajbhasha Shield + ₹ 14,000/- Cash (b) **Rail MantriRajbhasha Rolling Trophy**
(c) Rail MantriRajbhasha Rolling Shield (d) Memento + ₹ 1000/- & Certificate

1374. In which form Rubber Stamps are to be prepared?

- (a) Hindi (b) English (c) Regional Languages (d) **English & Hindi**

1375. On which date Part XVII of the Constitution was passed in Parliament?

- (a) 10.06.1963 (b) 12.06.1963 (c) **14.09.1949** (d) 12.05.1963

1376. At present how many languages are enlisted in the Eighth Schedule of the constitution?

- (a) 21 (b) **22** (c) 23 (d) 20

1377. How many articles are there in Part XVII of the Constitution?

- (a) **9** (b) 12 (c) 8 (d) 6

1378. Which Official Language mentions about the Working knowledge of the Officer/Employee?

- (a) Rule - 10(4) in 1979 (b) Rule - 9 in 1976 (c) Rule-9(4) in 1979 (d) **Rule - 10 in 1976**

1379. How many Hindi courses are prescribed for Central Govt. Employees?

- (a) 2 (b) 3 (c) **4** (d) 5

1380. How many members are there in the Committee of Parliamentary on Official Language?

- (a) 20 (b) **30** (c) 25 (d) 35

1381. How many Lok Sabha members will be there in the Committee of Parliamentary on Official Language?

- (a) **20** (b) 30 (c) 25 (d) 35

1382. At present, how many Sub-Committees are there in the Parliamentary Committee on Official Language?

- (a) 2 Sub-Committees (b) **3 Sub-Committees** (c) 5 Sub-Committees (d) 4 Sub-Committees

1383. In which months Regular Hindi examinations are conducted?

- (a) June and November (b) May and September (c) **May and November** (d) June and August

1384. What is the Lumpsum Award for passing Pragya?

- (a) Rs.1000/- (b) **Rs.2400/-** (c) Rs.3000/- (d) Rs.1400/-

1385. In which order Name, Designation and Sign Boards are to be exhibited?

- (a) Hindi (b) English (c) Regional Languages (d) **All the above**

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*** *All The Best* ***