

MCQ		
S.No.	Question	Answer
1	Lube oil cooler of WPD4D loco is located in	Accessories compartment
2	Ejector fitted in WDG4 locomotive	maintains vacuum in main engine crank case
3	In HHP locomotive, Turbo supercharger is fitted at	At rear end of the main engine
4	In WDG3A, main engine given thick black smoke due to	Low BAP
5	In WDG4D loco, Crank shaft to TSC speed ratio	01:16:07
6	Low viscosity of Lubricating oil indicates	Mixing of fuel oil in lube oil
7	No. of lubricating pump fitted in HHP loco (WDG4D) is	4
8	In WDG4 loco, Thrust collar is located	At main bearing no. 5 & 6
9	HHP locomotives has a	Two stroke engine
10	In HHP loco, Main lube oil pump and piston lubricating pump are driven by	Accessory gear
11	In WDP4D loco, Number of starting motor fitted is	2
12	In Spectrographic analysis of engine lube oil, silica presentation indicates	In-efficient Baggie type air filter
13	The reason of black smoke from ALCO main engine may be due to	Excessive fuel charged to combustion chamber
14	In WDG4D loco, Right side gear is directly driven by	Left side gear
15	The reason of Fuel dilution in WDM3c loco may be due to	Dribbling of fuel injector
16	Number of Grid fan fitted in WDP4D loco is	2
17	There are how many main bearing in WDP4D, HHP loco	10 no's Main bearing
18	In HHP locos, ECC-2 is located in	Under Truck
19	In WDG4D loco, Vibration damper is fitted	on crank shaft near main bearing no. 1
20	In WDG4D loco, Right bank cam shaft is directly driven by	Cam shaft gear of left bank
21	In HHP Loco, Turbo surging may take place due to	Dirty baggie type filter, Insufficient air box pressure and Dirty turbo screen (All of these)
22	Governor is used in HHP loco is	W.W.Governor
23	In Spectrographic analysis of engine lube oil, high range of CU indicates	Bush and Bearing wear
24	In HHP loco, Air box are may get dirty with carbon and fuel oil because of	Dirty baggie type filter, Excessive worn out of compression piston ring & leakage of unit injector (All of these)
25	Lube oil pumps provided in HHP (WDP4D) loco are	Main bearing and Piston cooling pump, Scavenging Pump & Smoke Back pump (All of these)
26	In HHP loco, Normal lube oil outlet temperature is	80 - 99 C
27	Soak back filter is fitted	After soak back pump
28	Type of cooling water pump used in WDP4B/WDG4 locomotives	Centrifugal Pump

29	3D model of a product is optimized in	CAE
30	In a WILD station, the Strain Gauges attached with the track measures	Strain caused on the strain gauge
31	Derailment detection device shall employ which type of following sensors	Vibration Sensor
32	The horizontal distance from the centre line of the lifting hook to the centre about which the crane slews	Working radius
33	The movement of the superstructure along with jib rotating about a vertical axis	Slewing
34	Half propping is done at how much radius	2.9 m
35	How many variants of Gottwald design 140 ton crane is available in IR	2
36	Full counter weight of 140 ton crane is about	47 ton
37	Full propping is done at which radius	6 m
38	In 140 ton crone braking is operated by which means	Hydraulically
39	The self travel of crane is called	Travelling
40	Full counter weight in 140 ton BD crane is	47 ton
41	Under which demand for grants no. ministry of railways get fund	85
42	Rolling stock under	21
43	M & P Plan head	41
44	Computerization plan head	17
45	DRM can sanction works underplan head 65 upto Rs	1 crore
46	EMD (5) for work estimated to cost upto Rs 1 crore in service contract	2%
47	% Performance guarantee for contract value in service contract	10%
48	How many days performance gurantee @5% without any panel interest	21 days
49	How many days performance gurantee @10% without any panel interest	30 days
50	How many days performance gurantee @10% with panel interest @15%	90 days
51	The maximum permissible leakage rate in BP during wagon rake testing is	0.25 kg/cm ² per minute
52	Duplex check valve gets activated when pressure difference between 02 bellows in same bogie exceeds above	1.5 kg/sq.cm
53	During emergency application, the maximum outup pressure from APM to brake cylinder in empty wagon is limited to	2.2 ± 0.25 kg/cm ²
54	With the provision of APM in wagon, brake cylinder pressure is obtained in empty condition as ____percent of the pressure coming from DV.	60
55	The DV sensivity test, BP pressure is dropped with a rate of	0.6 kg/cm ² in 6 sec
56	Automatic brake cylinder pressure modification device (APM) used in wagon is interposed between	bogie side frame and the under frame
57	Maximum angle load (Tonne) of BOXNEL wagon is	25
58	Condemning limit of diameter of wheel fitted in LHB coach is	855 mm
59	Which of the following component is not a part of FIAT BOGIE	Side frame key
60	To obtain correct buffer height of LHB coach, SIM is inserted in FIAT bogie at the location of	Body bogie connection
61	Air vent screws fitted in ICF bogies are used to	replenish oil in Dash Pots
62	The lateral stiffness in FIAT bogie is achieved by	Flexi - coil spring

63	Flexi coil springs are provided in the	Secondary suspension of FIAT bogie
64	Lateral damper in FIAT bogie is provided between	Bolester and support frame
65	The sub assembly in KE type DV which acts as non return valve for CR is	A- Controller
66	During brake release, the compressed air from BC goes to	Atmosphere
67	Which of the following is not a function of Distributor valve	DV facilitates the feeding of auxiliary reservoir from FP with 6 kg/cm ² pressure during charging of the system
68	Rate of pressure drop in BP for in-sensitivity test is	0.3 kg/cm ² in 60 sec
69	To maintain buffer height of BOXHNL wagon, the packing plate is placed at the location of	Elastomeric Pad
70	What is the buffer height of ICF coach	1030-1105 mm
71	Which of the following component is not a part of CASNUB bogie	Control Arm
72	AAR H type tight lock coupler has horizontal gathering range	± 110 mm
73	LHB coaches are fitted with which type of coupler	AAR H type tight lock coupler
74	What is the weakest link of H type tight lock center buffer coupler	Knuckle
75	Anti climbing feature of H type CBC is due to the shape of	Its head
76	DV in BOXHNL wagon is mounted on	Common pipe bracket
77	DV in LHB coach is mounted on	Brake control panel
78	Condemning free height of Elastomeric Pad (mm) is	42
79	Total no./nos. of BSS hanger fitted in one FIAT bogie is	0
80	FIBA gets activated when	Pressure in any bellow reaches below 1 kg/cm ²
81	To maintain buffer height of ICF coach, packing rings of required thickness should be provided	Under the flange of the lower spring seat
82	What is the length over buffers of ICF coach	22297 mm
83	Interference between wheel seat and bore of dia. Of wheel seat is kept as	1 mm
84	Automatic load sensing device (LSD) used in wagon is interposed between	the bolester and spring plank
85	The only mating surface permissible for lubrication in CASNUB bogie is	Center pivot
86	Which of the following type of current is used in Prods for Magnetic particle testing	Single phase half wave rectified alternating current
87	As per IRAC part III, at the time of wheel changing in sick line/workshop, the variation in tread diameters should not exceed the permissible maximum limits on same trolley/bogie (except BLC wagon) is ___ mm	13
88	As per IRAC part III, at the time of wheel changing in sick line/workshop, the variation in tread diameters should not exceed the permissible maximum limits on same bogie for BLC wagon is ___ mm	5
89	As per IRAC part III, at the time of wheel changing in sick line/workshop, the variation in tread diameters should not exceed the permissible maximum limits on same wagon(except BLC wagon) is ___ mm	25
90	As per IRAC part III, at the time of wheel changing in sick line/workshop, the variation in tread diameters should not exceed the permissible maximum limits on same wagon for BLC wagon is ___ mm	13
91	While assembly, the required force to press wheel disc on wheel sheet is	400 to 600 kg per mm dia. Of wheel seat

92	The buffer height adjustment in LHB coach is done by using the sim at the location of	Body - bogie joint
93	Where the anchor link is fitted in ICF bogie	Between bolster and bogie transom
94	What is the purpose of use of Auxiliary reservoir with rubber bellow in Pneumatic suspension system	To achieve Pneumatic damping
95	Where the leveling valve in coach with air suspension arrangement is mounted	On bolster
96	Damping of bolster suspension springs in CASNUB bogie is achieved by	Friction wedge block arrangement
97	Which lubricating material is used in centre pivot of CASNUB bogie	Graphite Flake
98	How many snubber springs are fitted in one CASNUB bogie	4
99	In ICF coach, how the deviation in the centre line of the axle during run is automatically adjusted	By self align feature of roller bearing
100	Trains starting primary maintenance, must have minimum brakepower of	100%
101	The temperature of axle boxes in ICF coaches are measured with the help of	Non contact type pyrometer/temperature gun
102	Type of Bogie in BVZI wagon is	ICF Bogie
103	Validity of BPC in premium rake is	12+3 days
104	New wheel dia. Of BLC wagon is	840 mm
105	Buffer height of BCAR of BLC wagon is	845 mm
106	Condemning dia of BLC Wagon is	780 mm
107	Anti Skid valve provided in WSP is also known as	Dump Valve
108	When instantaneous velocity of any axle exceeds the upper critical velocity, the dump valve shall	Restore BC pressure
109	How many dump valve are fitted in 01 LHB coach	Four
110	If the circuit of Dump valve No. 4 is open, What will the fault code appear on the display	44
111	In case of the speed sensor no. 4 is open/ short circuit, what will the fault code appear on the display	41