

TRUE / FALSE		
S.No.	Question	Answer
1	In WDG4D loco, Engine OST operates when Train speed exceed 120 kmph	FALSE
2	In HHP loco, engine rotation is anticlockwise as viewed from the rear facing toward the front	TRUE
3	In HHP Loco, the front end is some times reffered to as the Accessory End	TRUE
4	Total Engine Cooling water capacity in WDP4D loco is 1045 ltrs.	TRUE
5	In WDG4D loco, VCD is safety device fitted in Radiator compartment	FALSE
6	Scavenging pump is a positive displacement with helical gear type pump	TRUE
7	In HHP loco, Temperature of cooling water system is maintained between 79 C to 87 C	TRUE
8	In WDP4B loco, Radiator Fans is directly driven by Main engine crank shaft	FALSE
9	In HHP loco, the emission of Bluish smoke from main engine may causes excessive burning of fuel inside combustion chamber	FALSE
10	In WDG4D loco, the crankshaft gear train and Auxilary generator drive are located on the rear end of the engine	TRUE
11	WDG4 main engine per cylinder displacement volume is 710 cubic inch	TRUE
12	In 2 stroke engine, Air inlet valves are fitted in Cylinder head	FALSE
13	Main engine of WDG4D (GM/HHP) diesel locomotive is Two stroke	TRUE
14	In WDG4, Radiator fan creates induced Draft	FALSE
15	In HHP loco, the under crown of the main engine piston is cooled by circulating cooling water	FALSE
16	In HHP loco, scavenging oil pump is driven by accessory gear and located at rear end of the main engine	FALSE
17	The output signal from the controller is made signal conditioning	FALSE
18	The output signal of a sensor is always an electrical signal	TRUE
19	Controlling water level in a container by a float valve mechanism is a part of Mechatronics system	FALSE
20	A open loop system is always connected with a feedback system	FALSE
21	In a open loop system, the difference between input and output signal is compensated by the control system	FALSE
22	A Analog to Digital converter (ADC) converts digital signal to analog signal	FALSE
23	A DAC converter converts analog signal to digital signal	FALSE
24	Longer wheel base reduces lateral oscillation in straight track	TRUE
25	Positive creepage occurs in wheel slide and negative creepage occurs in wheel slip	FALSE
26	In BLC rake, each LCCF (20C) bogie consists of two sets of load sensing device	FALSE

27	BOXN wagon having number 11040174323 belongs to North Eastern rly and its built year is 2004	FALSE
28	Overall height of BOBR wagon from tail level is 3735	TRUE
29	Shorter wheel base reduces angle of attack at curvature	TRUE
30	High speed trains uses wheels with lower conicity	TRUE
31	Twist in track increases the lateral destabilizing force	FALSE
32	Softer spring can absorb more amount of track twist	TRUE
33	BLC Wagon has higher floor height than BFKI wagon	FALSE
34	The brake power of CC rake from originating station is 100 percent	TRUE
35	During Positive Creepage, Linear speed of wheel is less than the circumferencial speed of wheel	TRUE
36	Conic wheel is adopted for self centralizing property and for achieving differential speed of wheels at curve	TRUE
37	Twist is intensionally provided in transition of curvature	TRUE
38	BOBRN wagon is Vaccum Braked Stock	FALSE
39	Defective springs affects the Lateral force	FALSE
40	BOXN wagon having number 1104017423 belongs to North Eastern rly and its built year is 2001	TRUE
41	Increase in rail wheel creepage increases friction co-efficient in Nadal's equation	TRUE
42	BOXN wagon having number 1104017423 belongs to North rly	FALSE
43	Lateral force in rail wheel interaction is proportional to the conicity of wheel	TRUE
44	In positive angularity, point of contact of thread of wheel with rails leads to point of contact of wheel flange with rail	FALSE
45	FIBA gets activated when pressure difference between 02 bellows in same bogie exceeds above $1.5 \pm 0.1$ kg/cm <sup>2</sup>	FALSE
46	Anchor link in ICF bogie is designed to take tractive and braking forces	TRUE
47	E type CBC mechanism has Anti climbing feature	FALSE
48	Diameter of PEV choke for LHB coach is 8 mm	FALSE
49	The co-efficient of friction of brake pad and disc of FIAT bogie is 0.26 (max.)	FALSE
50	Brake cylinder (BC) gets connected to control reservior (CR) during brake application to raise BC pressure	FALSE
51	Total number of brake cylinder fitted in one FIAT bogie is 02.	FALSE
52	Wagon ROH is time based and is done in Workshop.	FALSE
53	Center Pivot of ICF coach is designed to take the tractive and braking forces	TRUE
54	Triangular locking plate for securing Axle Capscrew is must change item during ROH	TRUE
55	Anti drumming paint is used in LHB shell for Noise Insulation	TRUE