

## MODEL QUESTION PAPER

Question paper for selection to the post of Junior Engineer  
under Sr.DME(P)/Howrah  
in Scale  $\square$  9,300-34,800/- + G.P  $\square$  4,200/-, PB-2,  
(Level-6/7<sup>th</sup> PC) against 50% PR Quota.

### INSTRUCTIONS

- a) Question paper in bi-lingual i.e. in English and in Hindi version is also available and that candidate can also answer questions in regional language.
- b) Full Time: 02 (Two) Hours.
- c) Total Marks: 100.
- d) Out of 110 questions, answer any 100 questions.
- e) Each question carries 01 (one) marks.
- f) Negative Marks : 1/3 marks per Question.
- g) Overwriting, cutting, erasing etc. are not allowed, in case of any such correction is made, that answers shall not be evaluated.
- h) There are four options – (a), (b), (c) & (d) given against each question, out of which one is correct answer. Tick ( $\surd$ ) on correct option.

01	Who is the law and justice minister of A) Ravi Shankar Prasad B) D.V. Sadanada Gowda C) Arun Jaitely D) Kapil Sibhal
02	Which day celebrated as law day? A) January 26 B) July 26 C) August 26 D) November 26
03	Principal bench of the CAT is situated at A) Chennai B) Delhi C) Bhopal D) Gandhinagger
04	Which create team won most ICC Cricket World Cup titles? A) West Indies B) India C) England D) Australia
05	When was the first ICC Cricket World cup started? A) 1972 B) 1975 C) 1985 D) 1979
06	Lunar eclipse happen when A) The sun comes between Moon & Earth B) The Moon comes between sun & Earth C) The Earth comes between Moon & sun D) The Mars comes between Moon & Earth
07	In photosynthesis which gas is related by green planet. A) Oxygen B) Nitrogen C) Leaves Vapour D) Carbon di oxide
08	Which of the following is only star? A) Moon B) Mars C) Earth D) Sun
09	Which part chiefly carries blod from different part of our body to heart? A) Nerves B) Artries C) Veins D) none of this
10	One cubic meter is equal to A) 1 Liter B) 100 liter C) 1000 liter D) none of these.
11	The properties of material to be drawn into wires is called ? A) Malleability B) Ductility C) Toughness D) Brittleness
12	The file used for general filing A) Round File B) Suqare File C) Rasp file D) Flat file
13	A micrometer screw has a pitch of 0.5 mm. the circular scale is divided into 50 parts. The least of micrometer is: A) 0.05 mm B) 0.02 mm C) 0.01 mm D) None of these.
14	Dada sahib phalke award is associated with? A) literature B) sports C) medicine D) cinema
15	'Scurvy' diseases is caused due to the deficiency of A)Vitamin A B) Vitamin B C) Vitamin C D) Vitamin D
16	In the abbreviation "F.I.R" the 'I' stand for ? A) Information B) Intimation C) Indication D) illustration
17	Where is the headquarters of East Coast railway located? A) Hajipur B) Bhubaneswar C) Jabalpur D) Bilaspur
18	Where is the capital of Jharkhand? a)Jamshedpur B)Ranchi C) Dumka D) Dhanbad
19	The Horizontal row of the periodic table is called the – A) Column B)Group C) Table D) Period.
20	Galvanization is a method of protecting iron from rusting by coating it with a thin layer of – A)Silver B)Copper C)Zinc D) Aluminum
21	Archimedes principle is used to design which of the following ? A) Trucks B)Submarines C)Aircraft D)Cars.
22	Find the missing number in the following series. 2,4,16,96, -----, 7680 A)752 B)773 C)796 D)768
23	Complete the series. 15, 8, 20, 18, 25, 28, -----. A)37 B)32 C)30 D)35

24	Name of the meter used to measure Air Velocity A) Multimeter      B) Thermometer      C) Anemometer      D) Ammeter
25	Inverter converts A) DC to AC      B) AC TO DC      C) BOTH      D) None of this
26	Maximum speed of LHB Coach is ----- KMPH A) 120      B) 160      C) 110      D) 130
27	POH of BOXN Wagon is done at the interval of ----- month A) 12      B) 09      C) 18      D) 54
28	POH of ICF Coach is done at the interval of ----- month POH of BOXN Wagon is done at the interval of ----- month A) 12      B) 09      C) 18      D) 54
29	DCP Type Fire extinguisher is suitable at extinguish ----- fire A) diesel      B) electric      C) petrol      D) all
30	Brake pipe pressure is ----- kg/Cm <sup>2</sup> A) 5      B) 6      C) 3.4      D) 4
31	----- is checked with tire defect gauge. A) Wheel defect      B) Buckle defect      C) CBC defect      D) door defect
32	Wheel gauge ( distance between two wheels ) is ----- A) 1600      B) 1600 +2-1      C) 1599      D) 1676
33	Riding index of LLB coach is ----- A) 2.75      B) 2.0      C) 4.8      D) none of this
34	Speed of medical vane is fixed at ----- KMPH A) 100      B) 110      C) 75      D) 120
35	Condemning wheel dia in FIAT bogie is ----- mm A) 845      B) 813      C) 915      D) none of these
36	----- type of bearing is used in FIAT Bogie A) Spherical Roller Bearing      B) CTBR      C) Ball Bearing      D) None of these
37	Capacity of Intermediate Tank used for CDTS is ---- ltr A) 100      B) 50      C) 60      D) 80
38	In CDTS supply of Air pressure is made through A) BP      B) AR      C) FP      D) none of these
39	H- type coupler is used in ----- A) Coaching stock      B) Wagon stock      C) Engine      D) none of these
40	The capacity of control reservoir pressure coach is A) 6 liter      B) 7 liter      C) 9 liter      D) none of these
41	The color of BPC of CC rake is ----- A) Yellow      B) Red      C) Green      D) none of these
42	The BPC of Ballast train is valid for A) 30 Days      B) 15 days      C) 7 days      D) none of these
43	Brake system of WDM2 is A) 25SAB1      B) 22RSV1      C) 28LAV1      D) None
44	Minimum wheel diameter of Locomotive is – mm A) 1000      B) 950      C) 906      D) 1016
45	Fuel Oil Tank capacity of WDM2 locomotive is – liter A) 6000,      B) 5000      C) 2000      D) none
46	Compression Ratio of WDM2 Loco is – A) 1:12.5      B) 1:7      C) 1:15      D) 1:18
47	Type of bogie fitted in WDM2 is – A) COCO      B) BOBO      C) BOCO      D) none
48	IHP of WDM2 is loco is A) 2750      B) 3100      C) 2600      D) 2800
49	There is no limit of Duty for.....category A) Intensive,      B) Continuous      C) Essentially intermittent      D) Excluded

50	Encashment given at the time of retirement for ----no. of LAP leave A) 300 B) 250 C) 280 D) 350
51	Silver pass given from .....grade officer A) JAG B) SR. Scale C) SAG D) None
52	Head Quarter of Rly Safety Commission is A) Delhi B) Calcutta C) Bombay D) Chennai
53	-----is the highest authority of mechanical department of Zonal Rly A) PCME B) PCFTM C) PCOM D) PCTM
54	By---Rule an employee can be removing without issueing charge sheet A) 11/2 B) 14/2 C) 10/3 D) None
55	Rly expenditure divided in ----demands A) 09 B)16 C) 05 D) 25
56	-----is the chairman of staff benefit fund at head quarter A) PCME B) PCPO C) Welfare Officer D) SPO
57	----form is used for sending condemn material to store A) DS8 B) Issue Ticket C) requisition D) None
58	PL no. is denoted by ----digit A) 8 B) 10 C) 12 D) 6
59	Stock items are drawl on form no. A) DS8 B) Issue Ticket C) requisition D) None
60	AAC is for A) Stock B) Non stock C) imported stock D) Emergency Stock
61	August review is prepared in the month of A) August B) May C) January D) December
62	Final modification of budget is prepared A) August B) May C) January D) December
63	Chairman of PNM at HQ is -- A) PCME B) SDGM C) PCPO D) None
64	Maharashtra is under --- region as per RAJ BHASA ACT A) A B) B C) C D) D
65	When was the official language at 19663 passed A) 10.05.1961 B) 10.05.1962 C) 10.05.1963 D) None
66	In which state URDU has been declare as official Language A) Andhra Pradesh and MP B) AP & Bihar C) Maharstra & UP D) None
67	In which state section 6 & 7 of official language at 1963 do not apply A) J&K B) Bihar C) Jharkhand D) WB
68	How many articles are the in XVII of the constitution A) 8 B) 9 C) 10 D) 11
69	Who was the first chairman of the official language commission A) B.G.Kher B) GB Pant C) BD Malwenkar D) None
70	Who chair the Hindi salakar samiti constitutated in 1973 A) B.G.Kher B) G B Pant C) B D Malwenkar D) Lalit Narayan Mishra
71	How many members are there in the parliamentary committee on official language A) 20 B) 30 C) 40 D) 50
72	How many Hindi course are prescribed for Central Govt Employees A) two B) Three C) Four D) ONE
73	Who is The chairman of Central Hindi Comity A) President B) Vice President C) Prime minister D) Speaker of Lok sabha
74	Codal Life Of Hydraulic Re-railing Equipment is A) 15 yrs B) 10Yrs C) 20Yrs D) 18Yrs
75	Codal Life of 140T BD Crane is A) 30 Yrs B) 36Yrs C) 25Yrs D) None
76	Fire extinguishers should be refilled

	A) Every month B) Every Three month C) after one year D) One every trip
77	NDRF stand for A) National Disaster Response force b) National Disaster Rescue furnace C) National Disaster Relive force D) None
78	NDMA stands for A) National Disaster Management Authority B) National Disaster Manager Authority C) National Development Management Authority D) None
79	Speed of Medical Van fixed at ----KMPH A) 100 B) 110 C) 75 D) 120
80	Which equipment is not consist in Hydraulic Rear ailing equipment set A) Roller Carriage with Traversing Jack, B) Air Bag 40T C) Hydraulic Jack D) Abrasive Cutting Machine
81	Which type of hydraulic oil to be used imn power pack of ART A) ST10 B) EP-90 C) Spin 12 D) NOne
82	Which type of rerailing bridge is not available in ART- A)1.1m B) 2.2m C) 4.4 m D) 5.2
83	What is the stipulated time for ART turn out for Day period A) 35 min B) min C) 30 Min D) None
84	What is the siren code of Main line Clear A) One long Four short B) One long the short C) one long Two short D) two long short
85	How many RCD point available in HWH div. A) 3 B) 4 C) 5 D) 6
86	What is the full form of HSD oil A) High Speed Diesel Oil B) High Sulphide Diesel Oil C) Heavy Speed Diesel Oil D) None
87	What is the max length of Hydraulic Hose pipe which is used to connect from power pack to Controil table or Control table to Hydraulic Jack in ART A) 5m B) 10M C) 15M D) None
88	Which of the following equipment is not used for cutting stain less stell coach & wagaon A) Abrasive cutting equipment B) Plasma air cutting equipment C) Gas cutting equipment D) Hydraulic Rod cutter
89	What is then full form of 'CAMC' A) completely Annual maintenance Commission B) Comprehensive Annual Maintenance Contract C) Comparatively Annual maintenance Contract D) NONE
90	How many Propping base is done in 140T BD crane A) 2 B) 4 C) 6 D) 8
91	A, B and C can finish a piece of work in 12 dyas,15 days and 20 days respectively. They started together but B left 3 days before the completion of work. Calculate number of days in which the work is completed. A)5 B)12 C)6 D) NOT
92	If a:b=7:3 and b:c=5:4 the find a:b:c= ? A) 35:15:14 B) 35:12:15 C) 35:15:12 D) 12:35:15
93	The selling price of any article is Rs. 5400 after a discount of 14.28%. find the print price. A)6300 B)4500 C)8100 D) CND
94	On increasing the diameter of a circle by 75%, what will be the percentage increasing in the perimeter A) 65% B) 70% C) 75% D)80%
95	If the longer side of a rectangle is doubled and other reduced to half ,then what will be the percentage increment in the area of new rectangle ? A)50% B) 100% C)0% D)150%
96	Two trains with length 126 meter and 119 meter respectively are moving towards each other. Their speed is 12 M/S and 23 m/s respectively. What will be the time needed by the trains to cross each others? A)10s B) 7s C)12s D)15s
97	Sum of the square of the two natural consecutive odd numbers is 394.The sum of the number is A) 24 B) 32 C) 40 D) 28
98	The temperature at which both the centigrade and Fahrenheit thermometer show the same reading

	is A) -20 degrees B) -30degrees C) -40degrees D) -24 degrees
99	Perimeter of a rectangular is 640 meter and length to breadth ratio is 5:3. Its area will be A) 24000 sq m B) 20000 sq m C) 18000 sq m D) 32000 sq m
100	A stone is thrown vertically upwards, with a velocity of 30 m/s. Assuming 'g' as 10 m/s <sup>2</sup> the height to which it will rise will be A) 40 m B) 35 m C) 45 m D) 50 m
101	Fuse wire should have ----- melting point. A) High B) Low C) Medium D) none of these.
102	Rate of variation in cross level per meter is called A) Twist B) Creep C) cant D) buckling
103	Cant or super elevation is provided at A) Straight track B) left curve only C) right curve only D) curves
104	Clearance of check rail on the curves in BG ----- A) 30mm B) 36mm C) 44mm D) 08mm
105	Track gauge is measured mm below the rail top. A) 13mm B) 10mm C) 14mm D) 08mm
106	If gauge is found less than 1670 mm on straight track is termed as a) slack gauge b) standard gauge c) tight gauge d) short gauge
107	The longitudinal movement of the rails in the track is called A) Twist B) Creep C) cant D) buckling
108	The distance between two buffers at one end ----- A) 1956mm B) 1952mm C) 1976mm D) 1992mm
109	The ICF buffer plunger is made of ----- A) Mild steel B) cast steel C) cast iron D) none of these
110	The wheel gauge should be measured on A) Off load condition B) load wagon C) empty wagon D) none of these.

Answers:

01		21		41		61		81		101	
02		22		42		62		82		102	
03		23		43		63		83		103	
04		24		44		64		84		104	
05		25		45		65		85		105	
06		26		46		66		86		106	
07		27		47		67		87		107	
08		28		48		68		88		108	
09		29		49		69		89		109	
10		30		50		70		90		110	
11		31		51		71		91			
12		32		52		72		92			
13		33		53		73		93			
14		34		54		74		94			
15		35		55		75		95			
16		36		56		76		96			
17		37		57		77		97			
18		38		58		78		98			
19		39		59		79		99			
20		40		60		80		100			