

ANSWER KEY OF QUESTION PAPER FOR WRITTEN EXAMINATION HELD ON 28.07.2021 FOR THE POST OF JUNIOR ENGINEER/DIESEL FITTER TRADE AGAINST 25% RANKER QUOTA, DMW/PATIALA.

Answer key of the Question Paper for written examination held on 28.07.2021 for the post of **Junior Engineer/Diesel Fitter Trade** is published for information of all concerned. The candidates who have appeared in the above written examination on 28.07.2021 may submit objections to the answer key, if any, within 48 hours of its publication (by 16.00 hours on 30.07.2021) to the APO(W), DMW/Patiala along with authentic supporting documents. Objections received after the stipulated date/time and without the supporting documents shall not be considered.

उत्तर कुंजी / ANSWER KEY

1.	क)	अंग्रेजी
2	ख)	सिंधी
3	ख)	हिंदी
4	ख)	अनुच्छेद 343 (i)
5	घ)	अनिश्चित काल के लिए
6	ख)	22
7	क)	आन्ध्र प्रदेश तेलंग
8	ख)	जब तक राष्ट्रपति कोई अन्यथा व्यवस्था ना दे उच्चतम न्यायालय के कार्य अंग्रेजी में होंगे
9	क)	10.05.1963
10	ख)	नेपाली
11	d)	Pre-ignition
12	b)	Incomplete combustion
13	b)	Internal Combustion Engine
14	a)	4 Stroke cycle
15	b)	Diesel
16	a)	9:1
17	a)	Opens at 30° before bottom dead centre and closes at 10° after top dead centre
18	b)	5.2
19	a)	Density
20	a)	18.8
21	c)	400
22	c)	H2SO4
23	a)	removal of residual exhaust gases from the cylinder with the help of fresh charge air.
24	a)	9 bearings
25	a)	IR 03H
26	c)	2900 HP
27	c)	6000L
28	b)	25-27 mm
29	a)	15 to 17 mm
30	a)	process of increase of air pressure more than atmospheric pressure and deliver in cylinder for fuel combustion
31	b)	1.97 Kg/cm ²
32	c)	1210 L
33	d)	Any of the above
34	c)	600 L
35	b)	prevent damage to engine block if gas pressure exceeds the limit.
36	d)	All of the above
37	a)	5
38	a)	Lead and Trail
39	b)	controls conjunction working in IRAB-1 System
40	b)	1
41	a)	Weight of 7 Kg
42	a)	Orange
43	b)	1250
44	a)	100 PSI
45	b)	Unloading of compressor
46	b)	White
47	a)	MR-1 pressure
48	c)	Brass
49	c)	It is self aligned
50	d)	Any of the above
51	d)	75 ft. lbs
52	a)	gm/hp/hr.
53	c)	10°C
54	c)	Fuel pressure dropping
55	b)	50%
56	c)	X-head floating bush wear
57	d)	300 ft. lbs
58	d)	Any of above
59	c)	Cylinder head valve guide clearance more

60	b)	Tri mount
61	c)	60%
62	b)	Suspension nose
63	c)	Both a & b
64	b)	10 mm
65	b)	1000-1200 ft. labs.
66	b)	50 Kg m
67	b)	Ultrasonic test
68	c)	3864kg
69	d)	WAG 9 HC Loco
70	a)	Cab No. 1
71	b)	Unique Medical Identity Card
72	c)	Various pneumatic Gauges
73	c)	Adjacent
74	b)	Kaba Key
75	c)	SR1 cock and SR 2 cock Open
76	c)	2000 kg
77	c)	Water-glycol mix
78	a)	Insulated Gate Bipolar Transistor
79	d)	To prevent dry running of the coolant pumps.
80	d)	to reduce weight transfer
81	d)	To remove heavier particles in air stream to prevent damage to filter material.
82	d)	132 ton
83	a)	car body pitch rate
84	c)	axle lateral movement without undue restriction
85	c)	4255 mm.
86	c)	6
87	c)	5
88	b)	340 HP
89	c)	5
90	d)	All of the above
91	c)	100 L
92	c)	to cool the compressed air
93	d)	110 KMPH
94	a)	69-83 Kg m
95	b)	2 year
96	b)	All items other than 'stock' items.
97	d)	All of the above
98	a)	S-1510
99	c)	12.50%
100	a)	decreases
101	d)	Sanctioned strength of staff
102	d)	All of the above
103	c)	SF 11
104	c)	not a penalty
105	a)	Maintenance of a plant and system of work in factory are safe, without risks to health. Ensure safety and absence of risks to health in, use, handling, storage and transport of articles and substances.
106	d)	Excluded
107	b)	48
108	b)	24 months
109	d)	All of the above
110	d)	All of the above