



Kerala Public Enterprises (Selection and Recruitment) Board

Opposite KELTRON, Vellayambalam, Thiruvananthapuram

Website: kpesrb.kerala.gov.in, Email: kpesrb@gmail.com

Tel: 0471 - 2995042



Version: C

Name of Examination: Junior Operator Trainee

Date: 26/07/2026

Written examination for:

Junior Operator Trainee, Kerala Minerals and Metals Limited -TP Unit

PROVISIONAL ANSWER KEY

Sl No		Answer
1	B	Use foam
2	A	Uniform temperature
3	B	Prandtl number
4	D	Absolute entropy of perfect crystalline substances
5	C	Vitamin B ₁₂
6	D	None of these
7	A	1-Bromo-1-methylcyclohexane
8	B	Heterogeneous system
9	A	Gasoline
10	D	Pm
11	D	Dynamic viscosity
12	A	Knocking tendency
13	D	None of these
14	A	Witting
15	B	Dry saturated
16	D	All of these
17	B	24 kg
18	D	Emulsifier
19	B	Entropy
20	B	Gauche

21	B	$\text{CH}_2=\text{C}(\text{CH}_3)_2$
22	B	Volatile matter, moisture, ash and fixed carbon
23	B	Micelles
24	A	0.17
25	B	Mannich reaction
26	B	Glucose
27	A	1
28	A	square planar
29	A	No axial mixing
30	D	Photochemical smog
31	A	SN^1 reaction
32	C	Aerobic composting
33	C	Sucrose
34	B	15.625
35	D	Donnan membrane equilibrium
36	D	600KJ
37	A	Conduction
38	D	None of these
39	D	All of these
40	A	m^2/S
41	D	Cu(I)
42	C	Yield
43	B	Inertial force to viscous forces
44	C	O_2
45	C	Covalent bonding
46	A	46% N by weight
47	D	geometrical isomerism
48	B	UV-light
49	C	-1.8 KJ
50	D	NO^-
51	B	Fuel, Oxygen, Heat

52	B	Fraction of molecules with energies in excess of activation energy
53	C	CO ₂ extinguisher
54	A	Acetic acid
55	A	1981
56	D	Underground burial in concrete containers
57	A	increase
58	D	Stabilise wastewater flow and concentration
59	A	Film diffusion
60	D	3
61	C	Nitroacetic acid
62	A	V ₂ O ₅
63	C	Reversible adiabatic process
64	A	Emissivity
65	C	5°C
66	B	300kJ
67	B	No heat interaction between the system and surroundings
68	D	Paper industry
69	B	Colour
70	D	Same OD, thicker wall for Sch 60
71	A	The reactants are fed in stoichiometric proportions
72	D	0.35
73	B	42 g of nitrogen
74	A	2
75	D	An open system exchanges both energy and matter with its surroundings
76	B	12.55 x 0.2
77	B	¹⁶ O
78	C	Silver cyanide
79	C	Different forms of mechanical energy
80	B	s<p<d<f
81	D	It increases the rate of forward reaction only
82	D	Buffer solution

83	A	Sulphuric acid
84	B	Hermann Mauguin symbol
85	A	20-30°C
86	A	Propane and butane
87	B	P ₂ O ₅ Content
88	C	Bomb calorimeter
89	D	Highly polluted with biodegradable organic chemicals
90	D	Stern Volmer
91	A	Induced draft
92	A	Rotameter
93	A	infinity
94	A	Use of supercritical CO ₂
95	A	McLeod gauge
96	D	Xenon
97	C	Dry powder for metals
98	D	Zn
99	B	1/2
100	B	Be ⁻

NB: - Complaints regarding the Provisional Answer Key should be submitted by candidates to the e-mail (kpesrb@gmail.com) of the Board within a period of 4 days from the date of publication of this Provisional Answer Key (both days included) ie. By 11.59 PM on 30/07/2026. Final Answer Key will be published in the official website of KPESRB.

Shine A Haq
Secretary