

Subject Code : 102 ▼

Subject Code	Exam Date	Q Id	Questions	Answer Key
102	14-12-2021	71	<p>Objects at the surface of water can be viewed from a submarine under water by using this instrument.</p> <p>(A) Stethoscope</p> <p>(B) Periscope</p> <p>(C) Kaleidoscope</p> <p>(D) Telescope</p>	(B)
102	14-12-2021	72	<p>The United Nations Organization has its Headquarters at</p> <p>(A) Bali</p> <p>(B) Hague</p> <p>(C) New York, USA</p> <p>(D) Washington DC</p>	(C)
102	14-12-2021	73	<p>Epsom (England) is the place associated with</p> <p>(A) Shooting</p> <p>(B) Horse racing</p> <p>(C) Polo</p> <p>(D) Snooker</p>	(B)
102	14-12-2021	74	<p>Usain Bolt is associated with which sport?</p> <p>(A) Gymnastics</p> <p>(B) Boxing</p> <p>(C) Canoe Sprint</p> <p>(D) Athletics</p>	(D)
102	14-12-2021	75	<p>The book 'Timeless Laxman' is based on life of</p>	(D)

			<p>which of the following person?</p> <p>(A) O.P. Laxman</p> <p>(B) R.K. Narayan</p> <p>(C) V.V.S. Laxman</p> <p>(D) R.K. Laxman</p>	
102	14-12-2021	76	<p>Complete the sentence: The speaker pointed a ----- --- picture of hunger in parts of India.</p> <p>(A) chimerical</p> <p>(B) passionate</p> <p>(C) parisimonious</p> <p>(D) poignant</p>	(D)
102	14-12-2021	77	<p>Choose the correct meaning of proverb/idiom : To hit the nail right on the head</p> <p>(A) To do the right thing</p> <p>(B) To destroy one's reputation</p> <p>(C) To announce one's fixed views</p> <p>(D) To teach someone a lesson</p>	(A)
102	14-12-2021	78	<p>In a certain code, MONKEY is written as XDJMNL. Hoe is TIGER written in that code?</p> <p>(A) QDFHS</p> <p>(B) SDFHS</p> <p>(C) SHFDQ</p> <p>(D) UJHFS</p>	(A)
102	14-12-2021	79	<p>Choose the correct synonym of the given word: Rectify</p> <p>(A) To build</p> <p>(B) Correct</p>	(B)

			(C) Destroy (D) To command	
102	14-12-2021	80	A gathering at a religious place (A) Mob (B) Audience (C) Congregation (D) Spectators	(C)
102	14-12-2021	81	In the series 2, 6, 18, 54, what will be the 8th term ? (A) 4370 (B) 4374 (C) 7443 (D) 7434	(B)
102	14-12-2021	82	Introducing a woman, a man said “Her mother is the only daughter of my mother-in-law”. How is the man related to the woman ? (A) Son (B) Brother (C) Father (D) Husband	(C)
102	14-12-2021	83	One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing? (A) East (B) West (C) North (D) South	(C)

102	14-12-2021	84	Cloth : Mill :: Newspaper : ? (A) Editor (B) Reader (C) Paper (D) Press	(D)
102	14-12-2021	85	Find the one which does not belong to the group ? (A) 16 (B) 28 (C) 36 (D) 64	(C)
102	14-12-2021	86	When n is divided by 6, the remainder is 4. When $2n$ is divided by 6, the remainder is : (A) 4 (B) 2 (C) 0 (D) 1	(B)
102	14-12-2021	87	A certain number of tennis balls were purchased for Rs. 450. Five more balls could have been purchased in the same amount if each ball was cheaper by Rs. 15. The number of balls purchased was: (A) 10 (B) 15 (C) 20 (D) 25	(A)
102	14-12-2021	88	How many seconds will a 500 metre long train take to cross a man walking with a speed of 3 km/hr in the direction of the moving train if the speed of the train is 63 km/hr? (A) 25	(B)

			<p>(B) 30</p> <p>(C) 40</p> <p>(D) 45</p>	
102	14-12-2021	89	<p>If Ram and Shyam together can build a house in 10 days; Ram and Arun can build it together in 12 days and Shyam and Arun can build it in 15 days. Shyam, Ram and Arun start working together. In how many days they build the house?</p> <p>(A) 6</p> <p>(B) 4</p> <p>(C) 8</p> <p>(D) 12</p>	(C)
102	14-12-2021	90	<p>The ratio of the present age of father to that of son is 7:2. After 10 years their ages will be in the ratio of 9:4. The present age of the father is</p> <p>(A) 35 years</p> <p>(B) 40 years</p> <p>(C) 30 years</p> <p>(D) 25 years</p>	(A)
102	14-12-2021	91	<p>The ideal refrigeration cycle is like</p> <p>(A) Carnot cycle</p> <p>(B) Reversed Carnot cycle</p> <p>(C) Rankine cycle</p> <p>(D) Reversed Rankine cycle</p>	(B)
102	14-12-2021	92	<p>Surfaces produced by straight and cylindrical grinding tools tend to create which type of roughness?</p> <p>(A) Regularly spaced but directional roughness</p> <p>(B) Regularly spaced but non directional roughness</p>	(C)

			<p>(C) Irregularly spaced but directional roughness</p> <p>(D) Irregularly spaced but non directional roughness</p>	
102	14-12-2021	93	<p>The ratio of starting torque to full load torque is least in case of</p> <p>(A) series motors</p> <p>(B) shunt motors</p> <p>(C) compound motors</p> <p>(D) none of these</p>	(B)
102	14-12-2021	94	<p>Which type of occupational health hazard is cause for infection</p> <p>(A) electrical</p> <p>(B) biological</p> <p>(C) physiological</p> <p>(D) pyschological</p>	(B)
102	14-12-2021	95	<p>What is starving in extinguishing of fire</p> <p>(A) adding fuel to fire</p> <p>(B) using water to cool fire</p> <p>(C) removing fuel element from fire</p> <p>(D) preventing oxygen supply to fire</p>	(C)
102	14-12-2021	96	<p>ISP exchanges internet traffic between their networks by _____</p> <p>(A) internet exchange point</p> <p>(B) subscriber end point</p> <p>(C) isp end point</p> <p>(D) internet end point</p>	(A)
102	14-12-2021	97	<p>If the viscosity of a fluid decreases with the length of time that it is being mixed, then this fluid is</p>	(D)

			<p>(A) newtonian</p> <p>(B) rheopectic</p> <p>(C) viscoelastic</p> <p>(D) thixotropic</p>	
102	14-12-2021	98	<p>Water is a</p> <p>(A) newtonian fluid</p> <p>(B) pseudoplastic</p> <p>(C) dilatant</p> <p>(D) rheopectic</p>	(A)
102	14-12-2021	99	<p>The specific gravity of a liquid has</p> <p>(A) the same unit as that of mass density</p> <p>(B) the same unit as that of weight density</p> <p>(C) the same unit as that of specific volume</p> <p>(D) no unit</p>	(D)
102	14-12-2021	100	<p>Which is the primary element used for making stainless steel alloy?</p> <p>(A) Chromium</p> <p>(B) Zirconium</p> <p>(C) Vanadium</p> <p>(D) Indium</p>	(A)
102	14-12-2021	101	<p>The velocity ratio of two pulleys connected by an open belt or crossed belt is</p> <p>(A) directly proportional to their diameters</p> <p>(B) inversely proportional to their diameters</p> <p>(C) directly proportional to the square of their diameters</p>	(B)

			(D) inversely proportional to the square of their diameters	
102	14-12-2021	102	<p>Nickel addition in alloys</p> <p>(A) Increases toughness</p> <p>(B) Increases hardenability and impact resistance</p> <p>(C) Limit grain growth during heat treatment process</p> <p>(D) All of the mentioned</p>	(D)
102	14-12-2021	103	<p>Which among the following is a measure of ductility in tensile test</p> <p>(A) Percentage elongation</p> <p>(B) Ultimate tensile strength</p> <p>(C) Yield strength</p> <p>(D) None of these</p>	(A)
102	14-12-2021	104	<p>COLD SHUT is a</p> <p>(A) Casting defect</p> <p>(B) Weld defect</p> <p>(C) Forging defect</p> <p>(D) Rolling defect</p>	(A)
102	14-12-2021	105	<p>Heat Affected Zone is associated with</p> <p>(A) Casting</p> <p>(B) Welding</p> <p>(C) Forging</p> <p>(D) Rolling</p>	(B)
102	14-12-2021	106	<p>Bi-metallic strip of Mild steel and Aluminium is welded using</p> <p>(A) TIG Welding</p> <p>(B) MIG Welding</p>	(C)

			(C) Explosion Welding (D) Oxy-acetylene Welding	
102	14-12-2021	107	The cross-section of the flywheel arm is (A) I section (B) Elliptical (C) Circular (D) Rectangular	(B)
102	14-12-2021	108	Thermal diffusivity of a substance is (A) Directly proportional to thermal conductivity (B) Inversely proportional to density of substance (C) Inversely proportional to specific heat (D) All of these	(D)
102	14-12-2021	109	A quantity that determines the torque needed to be applied on a rigid body for a desired angular acceleration about a rotational axis (A) Moment of inertia (B) Angular mass (C) Rotational inertia (D) All of these	(D)
102	14-12-2021	110	Tempering of steel is done (A) To increase hardness (B) Before hardening (C) Increase toughness (D) By heating the metal to some temperature above the critical point for a certain period of time, then allowing it to cool in still air	(C)
102	14-12-2021	111	A floating body attains equilibrium when metacenter	(B)

			<p>is</p> <p>(A) At centroid</p> <p>(B) Above centroid</p> <p>(C) Below centroid</p> <p>(D) Any where</p>	
102	14-12-2021	112	<p>Reciprocating pump is also known as</p> <p>(A) Negative displacement pump</p> <p>(B) Diaphragm pump</p> <p>(C) Emulsion pump.</p> <p>(D) None of these</p>	(D)
102	14-12-2021	113	<p>The thermal efficiency of two stroke cycle engine is.....a four stroke cycle engine</p> <p>(A) Equal to</p> <p>(B) Less than</p> <p>(C) Greater than</p> <p>(D) None of these</p>	(B)
102	14-12-2021	114	<p>What is the term C.O.P. referred in terms of refrigeration?</p> <p>(A) Cooling for Performance</p> <p>(B) Coefficient of Performance</p> <p>(C) Capacity of Performance</p> <p>(D) Capacity of Plant</p>	(B)
102	14-12-2021	115	<p>The energy of an isolated system</p> <p>(A) is always decreasing</p> <p>(B) is always increasing</p> <p>(C) neither increases nor decreases</p>	(C)

			(D) none of these	
102	14-12-2021	116	<p>When Pipes are connected in parallel, the total loss of head</p> <p>(A) Is equal to the sum of the loss of head in each pipe</p> <p>(B) Is same as in each pipe</p> <p>(C) Is equal to the reciprocal of the sum of loss of head in each pipe</p> <p>(D) none of these</p>	(B)
102	14-12-2021	117	<p>For welding stainless steel by MIG process, the gas used is</p> <p>(A) CO₂</p> <p>(B) Argon-oxygen mixture</p> <p>(C) Pure argon gas</p> <p>(D) Nitrogen</p>	(B)
102	14-12-2021	118	<p>The impurities in centrifugal casting</p> <p>(A) Are uniformly distributed</p> <p>(B) Are forced outside the surface</p> <p>(C) Are collected at the centre of the casting</p> <p>(D) None of these</p>	(C)
102	14-12-2021	119	<p>A spark plug is used in</p> <p>(A) Diesel engine</p> <p>(B) Petrol engine</p> <p>(C) Gas engine</p> <p>(D) Steam engine</p>	(B)
102	14-12-2021	120	<p>A device, which is used to generate and supply steam at a high pressure and temperature, is called</p>	(B)

			<p>(A) Steam turbine</p> <p>(B) Steam boiler</p> <p>(C) Steam engine</p> <p>(D) Steam pump</p>	
102	14-12-2021	121	<p>The fitting mounted on the boiler, whose function is to put off the fire in the furnace, when level of water falls to an unsafe limit is called</p> <p>(A) Safety valve</p> <p>(B) Stop valve</p> <p>(C) Fusible plug</p> <p>(D) Blow off cock</p>	(C)
102	14-12-2021	122	<p>The total area under the stress strain curve of a mild steel specimen tested upto failure under tension is a measure of</p> <p>(A) Ductility</p> <p>(B) Stiffness</p> <p>(C) Toughness</p> <p>(D) Ultimate strength</p>	(C)
102	14-12-2021	123	<p>The objective of materials planning is to</p> <p>(A) To stabilize the production level</p> <p>(B) Minimise production delays owing to non-availability of raw materials and parts</p> <p>(C) Minimise overall production cost</p> <p>(D) All of these</p>	(D)
102	14-12-2021	124	<p>Gantt charts are used for</p> <p>(A) Inventory control</p> <p>(B) Machine utilization</p>	(C)

			(C) Production schedules (D) Work study	
102	14-12-2021	125	PERT stands for (A) Process Evaluation and Reporting Technique (B) Planning Evaluation and Reporting Technique (C) Planning Estimation and Review Technique (D) Programme Evaluation and Review Technique	(D)
102	14-12-2021	126	URL stands for (A) Uniform Resource Locator (B) Uniform Radio Locator (C) Uniform Resource Language (D) Universal Resource Language	(A)
102	14-12-2021	127	The instruments used for the measurement of pressure is/are (A) Fiber optic pressure sensors (B) Bellows (C) Diaphragms (D) All of these	(D)
102	14-12-2021	128	The process involving the heating of steel to approximately 40°C above the critical temperature and then cooling the steel in still air is called (A) Annealing (B) Normalising (C) Tempering (D) Hardening	(B)
102	14-12-2021	129	The ratio of normal stress of each face of a solid cube to volumetric strain is called	(A)

			<p>(A) Bulk modulus</p> <p>(B) Poisson's ratio</p> <p>(C) Modulus of elasticity</p> <p>(D) Modulus of rigidity</p>	
102	14-12-2021	130	<p>During a fluid flow, the temperature is developed due to _____</p> <p>(A) Increase in density</p> <p>(B) Change in pressure</p> <p>(C) Translational Kinetic Energy</p> <p>(D) Fluid level</p>	(C)
102	14-12-2021	131	<p>Pressure intensity or force due to pressure gradient for fluid at rest is considered as which kind of force?</p> <p>(A) Surface force</p> <p>(B) Body force</p> <p>(C) Force due to motion</p> <p>(D) None of the mentioned</p>	(A)
102	14-12-2021	132	<p>In a molten state, a weld metal has</p> <p>(A) Good capacity of dissolving gases</p> <p>(B) Least capacity of dissolving gases</p> <p>(C) No capacity of dissolving gases like oxygen, nitrogen and hydrogen</p> <p>(D) None of these</p>	(A)
102	14-12-2021	133	<p>In a four stroke engine, the working cycle is completed in</p> <p>(A) One revolution of the crankshaft</p> <p>(B) Two revolution of the crankshaft</p> <p>(C) Four revolution of the crankshaft</p>	(B)

			(D) Half revolution of the crankshaft	
102	14-12-2021	134	<p>Which metal of the following is used for making cold chisel?</p> <p>(A) Stainless steel</p> <p>(B) Mild Steel</p> <p>(C) Cast iron</p> <p>(D) Cast tool steel</p>	(D)
102	14-12-2021	135	<p>Which of the following is correct?</p> <p>(A) The viscosity of liquids and gases decrease with increasing temperature</p> <p>(B) The viscosity of liquids and gases increase with increasing temperature</p> <p>(C) The viscosity of gases increases with increasing temperature, but decreases in liquids</p> <p>(D) The viscosity of gases decreases with increasing temperature, but decreases in liquids</p>	(C)
102	14-12-2021	136	<p>Basic hole means</p> <p>(A) Upper deviation is zero</p> <p>(B) Lower deviation is zero</p> <p>(C) Both upper deviation is zero and lower deviation is zero</p> <p>(D) None of these</p>	(B)
102	14-12-2021	137	<p>Which of the following welding processes uses non-consumable electrodes?</p> <p>(A) GMAW welding</p> <p>(B) Sub-merged arc welding</p> <p>(C) MIG welding</p> <p>(D) GTAW welding</p>	(D)

102	14-12-2021	138	<p>By employing intercooler in multi-stage compressor, compression obtained is</p> <p>(A) Adiabatic</p> <p>(B) Polytropic</p> <p>(C) Isothermal</p> <p>(D) None of these</p>	(C)
102	14-12-2021	139	<p>Which current type is most preferred for welding Aluminum</p> <p>(A) DC-EP</p> <p>(B) DC-EN</p> <p>(C) AC</p> <p>(D) All of these</p>	(C)
102	14-12-2021	140	<p>Accuracy of micrometers, calipers, dial indicators can be checked by a</p> <p>(A) feeler gauge</p> <p>(B) slip gauge</p> <p>(C) ring gauge</p> <p>(D) plug gauge</p>	(B)