

Subject Code : 103

Subject Code	Exam Date	Q Id	Questions	Answer Key
103	01-02-2020	101	Who authored the book 'The tunnel of time ' ? (A) RK Laxman (B) Anthony Browne (C) William H (D) Vikram Seth	(A)
103	01-02-2020	102	Which country topped the 2019 Democracy Index? (A) Norway (B) Iceland (C) Sweden (D) Finland	(A)
103	01-02-2020	103	Defence Acquisition Council (DAC) chaired by Defence Minister approved the construction of _____ conventional submarines for the Navy in India under the Strategic Partnership Model. (A) 3 (B) 4 (C) 6 (D) 8	(C)
103	01-02-2020	104	Which Indian State is having 3 capitals? (A) West Bengal (B) Madhya Pradesh (C) Telangana	(D)

			(D) Andhra Pradesh	
103	01-02-2020	105	When was the Indian National Army formed? (A) 1935 (B) 1938 (C) 1942 (D) 1945	(C)
103	01-02-2020	106	Choose the correct alternative which can be substituted for: The person who knows everything (A) Omnipresent (B) Omnipotent (C) Omniscient (D) Oblivious	(C)
103	01-02-2020	107	Choose the correct word order (A) Why she did leave so early ? (B) Why did she leave so early ? (C) Why did so early she leave ? (D) Why so early did she leave ?	(B)
103	01-02-2020	108	Select correct word (A) Separate (B) Seperate (C) Saparate (D) Separete	(A)

103	01-02-2020	109	<p>What is the antonym of</p> <p>" Ally"</p> <p>(A) wane</p> <p>(B) enemy</p> <p>(C) bottom</p> <p>(D) west</p>	(B)
103	01-02-2020	110	<p>Fill in the blanks:</p> <p>They opposed the motion-----was proposed by the rival group.</p> <p>(A) Who</p> <p>(B) Which</p> <p>(C) Where</p> <p>(D) When</p>	(B)
103	01-02-2020	111	<p>If blue means green, green means black, black means white, white means pink, pink means red and red means orange, then what is the colour of blood?</p> <p>(A) Red</p> <p>(B) Black</p> <p>(C) White</p> <p>(D) Pink</p>	(D)
103	01-02-2020	112	<p>Clock : Time : : Thermometer : ?</p> <p>(A) Heat</p> <p>(B) Radiation</p> <p>(C) Energy</p> <p>(D) Temperature</p>	(D)

103	01-02-2020	113	<p>In a row of boys, If A who is 10th from the left and B who is 9th from the right interchange their positions, A becomes 15th from the left. How many boys are there in the row?</p> <p>(A) 23 (B) 31 (C) 27 (D) 28</p>	(A)
103	01-02-2020	114	<p>Find the missing number in the series?</p> <p>4, 18, ?, 100, 180, 294, 448</p> <p>(A) 48 (B) 50 (C) 58 (D) 60</p>	(A)
103	01-02-2020	115	<p>On an election day Santhosh walked from a place, 10 km towards South to reach the polling station, then turned left upto 2 km, then took a right turn, and took another 4 kms walk. Again he turned right and walked for 12 kms and took a 14 km walk by turning to North, and there he could see the polling station at a 12 km distance after taking a right turn. In which direction is the polling station situated?</p> <p>(A) North (B) East (C) South (D) West</p>	(B)
103	01-02-2020	116	<p>Tanya's grandfather was 8 times older to her 16 years ago. He would be 3 times her age 8 years from now. Eight years ago, what was the ratio of Tanya's age to that of her grandfather?</p>	(D)

			<p>(A) 1:2</p> <p>(B) 1: 5</p> <p>(C) 3: 8</p> <p>(D) None of the options</p>	
103	01-02-2020	117	<p>A train, 130 metres long travels at a speed of 45 km/hr crosses a bridge in 30 seconds. The length of the bridge is</p> <p>(A) 235 metres</p> <p>(B) 245 metres</p> <p>(C) 270 metres</p> <p>(D) 220 metres</p>	(B)
103	01-02-2020	118	<p>A and B together can do a piece of work in 8 days. If A alone can do the same work in 12 days, then B alone can do the same work in?</p> <p>(A) 20 days</p> <p>(B) 16 days</p> <p>(C) 24 days</p> <p>(D) 28 days</p>	(C)
103	01-02-2020	119	<p>The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is</p> <p>(A) 15</p> <p>(B) 16</p> <p>(C) 18</p> <p>(D) 25</p>	(B)
103	01-02-2020	120	<p>The volume of a sphere is 4851 cm^3. Its diameter</p>	(D)

			<p>is</p> <p>(A) 3.5 cm</p> <p>(B) 7 cm</p> <p>(C) 14cm</p> <p>(D) 21cm</p>	
103	01-02-2020	121	<p>The command used in Auto CAD to equally arrange objects in a outer periphery of a circle is</p> <p>(A) Copy</p> <p>(B) Move</p> <p>(C) Array</p> <p>(D) Mirror</p>	(C)
103	01-02-2020	122	<p>Size of A3 Paper is</p> <p>(A) 297x210</p> <p>(B) 420x594</p> <p>(C) 297x420</p> <p>(D) None of the options</p>	(C)
103	01-02-2020	123	<p>Laminar flow occurs in pipes when Reynolds number is</p> <p>(A) < 2000</p> <p>(B) 2000 to 4000</p> <p>(C) >4000</p> <p>(D) None of the options</p>	(A)
103	01-02-2020	124	<p>Sensible heat is the heat required to</p> <p>(A) Change vapour into liquid</p>	(C)

			(B) Change liquid into vapour (C) Increase temperature of liquid or vapour (D) Convert water into steam	
103	01-02-2020	125	"GO" and "NO GO" gauge is a type of (A) Plug Gauge (B) Slip gauge (C) Ring gauge (D) Limit Gauge	(D)
103	01-02-2020	126	A mixture of dry air and water vapour, when the air has diffused the maximum amount of water vapour into it, is called (A) Dry air (B) Moist air (C) Saturated air (D) Specific humidity	(C)
103	01-02-2020	127	One Ton of Refrigeration is equal to (A) 3.5 kW (B) 4 kW (C) 3kW (D) 2.8kW	(A)
103	01-02-2020	128	Density of Water is Maximum at (A) 0 deg C (B) 4 Deg C (C) 100 Deg C	(B)

			(D) 5 Deg C	
103	01-02-2020	129	<p>The ratio of Pitch circle diameter to the number of teeth of a gear is</p> <p>(A) Module</p> <p>(B) Addendum</p> <p>(C) Dedendum</p> <p>(D) Gear Ratio</p>	(A)
103	01-02-2020	130	<p>Knurling is a operation of</p> <p>(A) Cutting smooth collars</p> <p>(B) Under cutting</p> <p>(C) Roughing the surface for hand grip</p> <p>(D) None of the options</p>	(C)
103	01-02-2020	131	<p>A rigid body has Poisson's ratio equal to.....</p> <p>(A) 0</p> <p>(B) 1</p> <p>(C) less than 1</p> <p>(D) greater than 1</p>	(A)
103	01-02-2020	132	<p>The property by virtue of which a liquid opposes relative motion between its different layers is called</p> <p>(A) Surface tension</p> <p>(B) Coefficient of viscosity</p> <p>(C) Viscosity</p> <p>(D) Osmosis</p>	(C)

103	01-02-2020	133	<p>The material used for coating the electrode is called</p> <p>(A) Flux</p> <p>(B) Protective cover</p> <p>(C) Slag</p> <p>(D) Deoxidiser</p>	(A)
103	01-02-2020	134	<p>The flow of the refrigerant in a refrigeration cycle is controlled by</p> <p>(A) Condenser</p> <p>(B) Expansion valve</p> <p>(C) Evaporator</p> <p>(D) Compressor</p>	(B)
103	01-02-2020	135	<p>Heat flows from one body to other when they have</p> <p>(A) different heat contents</p> <p>(B) different atomic structures</p> <p>(C) different temperatures</p> <p>(D) different specific heat</p>	(C)
103	01-02-2020	136	<p>Work done in a free expansion process is</p> <p>(A) Zero</p> <p>(B) Minimum</p> <p>(C) Maximum</p> <p>(D) Positive</p>	(A)
103	01-02-2020	137	<p>The cycle generally used for gas turbines is</p> <p>(A) Otto cycle</p>	(D)

			(B) Carnot cycle (C) Rankine cycle (D) Brayton cycle	
103	01-02-2020	138	The product of force (F) and time (t) is called as (A) Impulse (B) Work done (C) Momentum (D) Pressure	(A)
103	01-02-2020	139	Centrifugal pump is started with its delivery valve..... (A) kept fully closed (B) kept fully open (C) irrespective of any position (D) kept 50% open	(A)
103	01-02-2020	140	Time dependent permanent deformation is called (A) Plastic deformation (B) Elastic deformation (C) Creep (D) Anelastic deformation	(C)
103	01-02-2020	141	The included angle of Twist drill bit is (A) 118 deg (B) 128 deg (C) 108 deg	(A)

			(D) 98 deg	
103	01-02-2020	142	Projection of an object by 3 views is known as ----- (A) Orthographic (B) Perspective (C) Isometric (D) Oblique	(A)
103	01-02-2020	143	Angles project true size, only when the plane containing the angle and plane of projection are --- (A) Adjacent (B) Aligned (C) Perpendicular (D) Parallel	(D)
103	01-02-2020	144	The thread note for a typical bolt will include the ----- (A) Material (B) Centre line (C) Major diameter of the thread (D) Offset distance	(C)
103	01-02-2020	145	When the rate of evaporation of water is zero, the relative humidity of the air is (A) 0% (B) 100% (C) 50%	(B)

			(D) unpredictable	
103	01-02-2020	146	<p>Which of the following has threads at both ends</p> <p>(A) Bolt</p> <p>(B) Tap bolt</p> <p>(C) Stud</p> <p>(D) screw</p>	(C)
103	01-02-2020	147	<p>If dimension of male part is larger than female part, the fit is</p> <p>(A) Transition fit</p> <p>(B) Interference fit</p> <p>(C) Ringing fit</p> <p>(D) None of the options</p>	(B)
103	01-02-2020	148	<p>Geometric tolerance is provided to</p> <p>(A) Control dimension</p> <p>(B) Control shape</p> <p>(C) Control position</p> <p>(D) Control shape and position</p>	(D)
103	01-02-2020	149	<p>Hardness of a material is defined as</p> <p>(A) Resistance to indentation.</p> <p>(B) Resistance to elongation.</p> <p>(C) Resistance to plastic deformation.</p> <p>(D) Resistance to elastic changes</p>	(A)
103	01-02-2020	150	<p>Which of the following has no unit</p>	(D)

(A) kinematic viscosity

(B) surface tension

(C) bulk modulus

(D) strain