

Subject Code : 108 ▾

Subject Code	Exam Date	Q Id	Questions	Answer Key
108	30-03-2021	631	<p>The Battle of Belonging is the book authored by</p> <p>(A) Shashi Tharoor</p> <p>(B) Nawab Pataudi</p> <p>(C) M. Venkaiah Naidu</p> <p>(D) Prakash Javadekar</p>	(A)
108	30-03-2021	632	<p>Where is the headquarter of National Bank for Agriculture and Rural Development(NABARD)?</p> <p>(A) Kolkata</p> <p>(B) Chennai</p> <p>(C) New Delhi</p> <p>(D) Mumbai</p>	(D)
108	30-03-2021	633	<p>Who among the following was conferred with Eminent Engineer Award for the Year 2020 by Institution of Engineering and Technology?</p> <p>(A) Dr. G. Satheesh Reddy</p> <p>(B) V K Yadav</p> <p>(C) Piyush Goyal</p> <p>(D) Harish Salve</p>	(B)
108	30-03-2021	634	<p>The Indian government signed a memorandum of understanding (MoU) with in 2019 to boost sales of products made by women self-help groups, formed under the Deendayal Antyodaya Yojana-National Urban Livelihoods Mission</p>	(A)

			<p>(DAY-NULM).</p> <p>(A) Flipkart</p> <p>(B) Amazon</p> <p>(C) Facebook</p> <p>(D) Google</p>	
108	30-03-2021	635	<p>India has been placed at 139th position out of 149 countries in the UN World Happiness Report 2021 released. The 2021 report is the ninth World Happiness Report and focuses on the effects of COVID-19 and how people all over the world have fared. The World Happiness Report 2021 has been topped by for the fourth consecutive year.</p> <p>(A) New Zealand</p> <p>(B) Finland</p> <p>(C) Norway</p> <p>(D) Netherlands</p>	(B)
108	30-03-2021	636	<p>In question below, the passage consists of six sentences. The first and sixth sentences are given in the beginning. The middle sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. Find out the proper order for the four sentences.</p> <p>S1: Throughout history man has used energy from the sun.</p> <p>P : Today, when we burn wood or use electric current we are drawing an energy.</p> <p>Q : However we now have a new supply of energy.</p> <p>R : All our ordinary life depends on sun.</p> <p>S : This has come from the sun.</p> <p>S6: This energy comes from inside atoms.</p> <p>(A) PSRQ</p> <p>(B) RSPQ</p> <p>(C) RPQS</p>	(A)

			(D) RQPS	
108	30-03-2021	637	<p>In question given below, a part of the sentence is italicised and underlined. Below are given alternatives to the underlined part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option ' No improvement ' may be chosen as the answer.</p> <p>He <u><i>sent a word</i></u> to me that he would be coming late.</p> <p>(A) No improvement</p> <p>(B) sent word</p> <p>(C) had sent a word</p> <p>(D) sent words</p>	(B)
108	30-03-2021	638	<p>Replace the underlined part of sentence with the most appropriate meaning.</p> <p>The cricket match proved to be <u><i>a big draw</i></u>.</p> <p>(A) a keen contest</p> <p>(B) a game without any result</p> <p>(C) a lovely spectacle</p> <p>(D) a huge attraction</p>	(D)
108	30-03-2021	639	<p>Give synonym for the word 'bane'</p> <p>(A) ruin</p> <p>(B) boon</p> <p>(C) bonus</p> <p>(D) blessing</p>	(A)
108	30-03-2021	640	Fill up with most appropriate option:	(B)

			<p>Tourists always enjoyed ____ the setting Sun in the sea.</p> <p>(A) to watch</p> <p>(B) watching</p> <p>(C) to seeing</p> <p>(D) in seeing</p>	
108	30-03-2021	641	<p>Look at this series:</p> <p>2, 7, 10, 22, 18, 37, 26,</p> <p>What number should fill the blank?</p> <p>(A) 52</p> <p>(B) 42</p> <p>(C) 62</p> <p>(D) 46</p>	(A)
108	30-03-2021	642	<p>In the following question, a word is followed by four choices. Choose the word which is the most essential part of the given word.</p> <p><u>Knowledge</u></p> <p>(A) Wisdom</p> <p>(B) Learning</p> <p>(C) Power</p> <p>(D) Teacher</p>	(B)
108	30-03-2021	643	<p>A woman walking with a boy meets another woman and on being asked about her relationship with the boy, she says, "My maternal uncle and his maternal uncle's maternal uncle are brothers. " How is the boy related to the woman?</p> <p>(A) Nephew.</p> <p>(B) Grandson.</p>	(D)

			<p>(C) Brother-in-law.</p> <p>(D) Son.</p>	
108	30-03-2021	644	<p>In a certain code, COMPUTER is written as RFUVQNPC. How is MEDICINE written in the same code?</p> <p>(A) EOJDJEFM</p> <p>(B) EOJDEJFM</p> <p>(C) MFEJDJOE</p> <p>(D) MFEDJJOE</p>	(A)
108	30-03-2021	645	<p>J, K, H, R, F, N & Q are sitting around a circular table facing the center. H is third to the left of L, who is at the immediate right of K. R is third to the left of N, but not the neighbour of H or L. J is second to the right of Q. As per the sitting arrangement, four of the following five are alike in a certain way & so, they form their group. Which one is not included in this group?</p> <p>(A) LK</p> <p>(B) RQ</p> <p>(C) FQ</p> <p>(D) JR</p>	(C)
108	30-03-2021	646	<p>The difference between a two-digit number and the number obtained by interchanging the positions of its digits is 36. What is the difference between the two digits of that number?</p> <p>(A) 3</p> <p>(B) 4</p> <p>(C) 6</p> <p>(D) 9</p>	(B)

108	30-03-2021	647	<p>If the diameters of a circle is increased by 100% , its area is increased by ?</p> <p>(A) 100%</p> <p>(B) 200%</p> <p>(C) 300%</p> <p>(D) 400%</p>	(C)
108	30-03-2021	648	<p>A and B take the responsibility of doing a work for Rs 250. A can do that work alone in 5 days and B alone in 15 days. They complete the work in 3 days with the help of C. If everyone gets paid in proportion to the work, then how much amount will C get?</p> <p>(A) Rs. 50</p> <p>(B) Rs.100</p> <p>(C) Rs. 150</p> <p>(D) Rs. 200</p>	(A)
108	30-03-2021	649	<p>One year ago, ratio of Harry's age and Peter's age was 5 : 6 respectively. After 4 years, this ratio becomes 6 : 7. How old is Peter?</p> <p>(A) 25 years</p> <p>(B) 26 years</p> <p>(C) 31 years</p> <p>(D) 35 years</p>	(C)
108	30-03-2021	650	<p>Two buses start at the same time, one from P to Q and the other from Q to P. If both buses reach after 4 hours and 16 hours at Q and P respectively after they cross each other, what would be the ratio of speeds of the bus starting from P and that of the one starting from point Q?</p>	(A)

			<p>(A) 2 : 1</p> <p>(B) 3 : 1</p> <p>(C) 2 : 2</p> <p>(D) 1 : 4</p>	
108	30-03-2021	651	<p>The air-fuel ratio of the petrol engine is controlled by</p> <p>(A) carburettor</p> <p>(B) injector</p> <p>(C) governor</p> <p>(D) None of the options</p>	(A)
108	30-03-2021	652	<p>Francis turbine is</p> <p>(A) an impulse turbine</p> <p>(B) a friction turbine</p> <p>(C) a reaction turbine</p> <p>(D) both a friction and impulse turbine</p>	(C)
108	30-03-2021	653	<p>In a shell and tube surface condenser</p> <p>(A) steam passes through the tubes and cooling water surrounds them</p> <p>(B) cooling water passes through the tubes and steam surrounds them</p> <p>(C) steam and water mix to give condensate</p> <p>(D) None of the options</p>	(B)
108	30-03-2021	654	<p>A point 'P' is above Horizontal Plane (HP) and in front of Vertical Plane (VP). The point is in</p> <p>(A) First quadrant</p>	(A)

			(B) Second quadrant (C) Third quadrant (D) Fourth quadrant	
108	30-03-2021	655	The development of cylinder is a (A) Ellipse (B) Circle (C) Triangle (D) Rectangle	(D)
108	30-03-2021	656	The property which enables metals to be drawn into wire is known as (A) Malleability (B) Ductility (C) Straining (D) Plastic deformation	(B)
108	30-03-2021	657	The refrigerant widely used in domestic refrigerators is (A) Ammonia (B) Carbon dioxide (C) Sulphur dioxide (D) R-12	(D)
108	30-03-2021	658	In a carnot cycle, what is the working fluid? (A) a real gas (B) an ideal gas (C) a natural gas (D) None of the options	(B)

108	30-03-2021	659	<p>If the spring is compressed completely and the adjacent coils touch each other, then the length of spring is called as?</p> <p>(A) Compressed length</p> <p>(B) Solid length</p> <p>(C) Free length</p> <p>(D) None of the options</p>	(B)
108	30-03-2021	660	<p>The fluid coming into the centrifugal pump is accelerated by _____</p> <p>(A) Impeller</p> <p>(B) Throttle</p> <p>(C) Nozzle</p> <p>(D) Governor</p>	(A)
108	30-03-2021	661	<p>Darcy- Weisbach equation gives relation between _____</p> <p>(A) Pressure and temperature</p> <p>(B) Mass, volume and pressure</p> <p>(C) Head loss and pressure loss</p> <p>(D) Pressure loss and mass</p>	(C)
108	30-03-2021	662	<p>According to the system international, unit of torque is _____</p> <p>(A) newton meter</p> <p>(B) newton per meter</p> <p>(C) newton per meter square</p> <p>(D) per newton meter</p>	(A)
108	30-03-2021	663	<p>What is the bending moment at end supports of a simply supported beam?</p>	(C)

			<p>(A) Maximum</p> <p>(B) Minimum</p> <p>(C) Zero</p> <p>(D) Uniform</p>	
108	30-03-2021	664	<p>What is the full form of NPSH in a pump</p> <p>(A) Net pressure suction head</p> <p>(B) Net positive suction head</p> <p>(C) Net pressure super head</p> <p>(D) Non-pressure suction head</p>	(B)
108	30-03-2021	665	<p>Which of the following instruments is used to measure flow on the application of Bernoulli's equation?</p> <p>(A) venturi meter</p> <p>(B) orifice plate</p> <p>(C) pitot tube</p> <p>(D) all of the options</p>	(D)
108	30-03-2021	666	<p>Mixture formation in a carburettor is based on</p> <p>(A) Buoyancy Principle</p> <p>(B) Venturi Principle</p> <p>(C) Pascal's Law</p> <p>(D) Capillary action</p>	(B)
108	30-03-2021	667	<p>Theoretically correct air-petrol ratio is</p> <p>(A) 1:15</p> <p>(B) 8:1</p> <p>(C) 15:1</p>	(C)

			(D) 1:8	
108	30-03-2021	668	<p>Which element of hydroelectric power plant prevents the penstock from water hammer phenomenon?</p> <p>(A) Valves and Gates</p> <p>(B) Spillway</p> <p>(C) Draft tubes</p> <p>(D) Surge Tank</p>	(D)
108	30-03-2021	669	<p>The side view of an object is drawn in</p> <p>(A) Vertical plane</p> <p>(B) Horizontal plane</p> <p>(C) Profile plane</p> <p>(D) Any of the options</p>	(C)
108	30-03-2021	670	<p>Projection of an object shown by three views is known as</p> <p>(A) Perspective</p> <p>(B) Oblique</p> <p>(C) Orthographic</p> <p>(D) Isometric</p>	(C)
108	30-03-2021	671	<p>The true length of edge of cube is 15 cm. what will be the isometric length?</p> <p>(A) 17.78 cm</p> <p>(B) 14.48 cm</p> <p>(C) 12.99 cm</p> <p>(D) 12.22 cm</p>	(D)

108	30-03-2021	672	<p>The temperature at which the new grains are formed in the metal is called</p> <p>(A) Lower critical temperature</p> <p>(B) Upper critical temperature</p> <p>(C) Eutectic temperature</p> <p>(D) Recrystallisation temperature</p>	(D)
108	30-03-2021	673	<p>A3 paper size dimension in mm</p> <p>(A) 297×420</p> <p>(B) 297×210</p> <p>(C) 594×420</p> <p>(D) 594×841</p>	(A)
108	30-03-2021	674	<p>What is the advantage of mechanical comparator over others?</p> <p>(A) Less moving parts</p> <p>(B) No need of external supply</p> <p>(C) Better range and accuracy</p> <p>(D) No error due to parallax</p>	(B)
108	30-03-2021	675	<p>In clearance fit</p> <p>(A) Tolerance zones of hole and shaft overlap</p> <p>(B) Tolerance zone of hole is completely below that of shaft</p> <p>(C) Tolerance zone of hole is entirely above that of shaft</p> <p>(D) None of the options</p>	(C)
108	30-03-2021	676	<p>Discharge of a centrifugal pump is proportional to where D is the Impeller diameter.</p>	(B)

			<p>(A) D</p> <p>(B) D^2</p> <p>(C) D^3</p> <p>(D) $1/D^2$</p>	
108	30-03-2021	677	<p>A nominal metric pipe size of DN50 means</p> <p>(A) Outer diameter 50 mm</p> <p>(B) Outer diameter 48.7 mm</p> <p>(C) Outer diameter 60.3 mm</p> <p>(D) Inner diameter 50 mm</p>	(C)
108	30-03-2021	678	<p>The modulus of rigidity and Poisson's ratio of the wire are $2.87 \times 10^{10} \text{ N/m}^2$ and 0.379 respectively. What is the value of young's modulus of the material of the wire.</p> <p>(A) $1.08773 \times 10^{10} \text{ N/m}^2$</p> <p>(B) $7.915 \times 10^{10} \text{ N/m}^2$</p> <p>(C) $7.5725 \times 10^{10} \text{ N/m}^2$</p> <p>(D) $0.1403 \times 10^{10} \text{ N/m}^2$</p>	(B)
108	30-03-2021	679	<p>If diameter of a shaft is doubled the power transmitted capacity will be</p> <p>(A) Either twice or half</p> <p>(B) Four times</p> <p>(C) Eight times</p> <p>(D) Same</p>	(C)
108	30-03-2021	680	<p>A stone weighs 650 N in air and 275 N in water. What is its specific gravity?</p>	(A)

			<p>(A) 1.73</p> <p>(B) 2.45</p> <p>(C) 3.46</p> <p>(D) 0.865</p>	
108	30-03-2021	681	<p>In Autocad, how many grip points does a circle have?</p> <p>(A) 4</p> <p>(B) 5</p> <p>(C) 2</p> <p>(D) 3</p>	(B)
108	30-03-2021	682	<p>A hexagon drawn with a polygon command has six lines. If you try to delete one of its lines, whole hexagon will be deleted. What should be done to edit it?</p> <p>(A) With Explode command break into separate entities</p> <p>(B) Erase with Erase command</p> <p>(C) Delete the hexagon and draw again</p> <p>(D) Use array command</p>	(A)
108	30-03-2021	683	<p>The angle formed by the leading edge of the land with a plane having the axis of the drill, is called</p> <p>(A) Helix or rake angle</p> <p>(B) Point angle</p> <p>(C) Chisel edge angle</p> <p>(D) Lip clearance angle</p>	(A)
108	30-03-2021	684	<p>Supercharging is the process of</p> <p>(A) Injecting excess fuel for raising more</p>	(B)

			loads (B) Supplying the intake of an engine with air at a density greater than the density of the surrounding atmosphere (C) Supplying compressed air to remove combustion products fully (D) Providing forced cooling air	
108	30-03-2021	685	The overall efficiency of thermal power plant is equal to (A) Regenerative cycle efficiency (B) Rankine cycle efficiency (C) Helical efficiency (D) Carnot cycle efficiency	(A)
108	30-03-2021	686	Economiser is used to heat (A) Flue gases (B) Air (C) All of the options (D) Feed water	(D)
108	30-03-2021	687	The command used in Auto CAD to equally arrange objects in a outer periphery of a circle is (A) Mirror (B) Move (C) Copy (D) Array	(D)
108	30-03-2021	688	Dimensioning doesn't represent (A) Depth	(C)

			(B) Length (C) Material (D) Height	
108	30-03-2021	689	In first angle projection method, object is assumed to be placed in (A) Third Quadrant (B) First quadrant (C) Fourth quadrant (D) Second quadrant	(B)
108	30-03-2021	690	The dotted lines represents (A) Centre line (B) Hidden edges (C) Hatching line (D) Projection line	(B)
108	30-03-2021	691	Using XLINE command the line to be drawn is called _____ (A) Vertical line (B) Construction line (C) Horizontal line (D) Inclined line	(B)
108	30-03-2021	692	Production drawing is also called as (A) Isometric Drawing (B) Machine Drawing (C) None of the options (D) Working Drawing	(D)

108	30-03-2021	693	<p>Exploded assembly drawing represents</p> <p>(A) Orthographic drawing</p> <p>(B) Position of parts in the sequence of assembly</p> <p>(C) None of the options</p> <p>(D) Assembly drawing</p>	(B)
108	30-03-2021	694	<p>Which of the following is not included in forming and shaping process?</p> <p>(A) Sheet forming</p> <p>(B) Rolling</p> <p>(C) Broaching</p> <p>(D) Forging</p>	(C)
108	30-03-2021	695	<p>Which of the following is included in machining process?</p> <p>(A) Drilling</p> <p>(B) Extrusion</p> <p>(C) Coating</p> <p>(D) Soldering</p>	(A)
108	30-03-2021	696	<p>Drawing showing the position of each part with respect to each other is called _____</p> <p>(A) Machine drawing</p> <p>(B) Assembly drawing</p> <p>(C) Installation drawing</p> <p>(D) Part drawing</p>	(B)
108	30-03-2021	697	<p>Yield stress of Grade A steel</p> <p>(A) 365 MPa</p>	(D)

			<p>(B) 315 MPa</p> <p>(C) 490 MPa</p> <p>(D) 235 MPa</p>	
108	30-03-2021	698	<p>During the opening of a valve in a pipe line, the flow is</p> <p>(A) Uniform</p> <p>(B) Steady</p> <p>(C) Laminar</p> <p>(D) Unsteady</p>	(D)
108	30-03-2021	699	<p>A manometer is used to measure</p> <p>(A) Pressure in Venturimeter</p> <p>(B) Atmospheric pressure</p> <p>(C) Difference of pressures between two points in a pipe</p> <p>(D) Pressure in pipes and channels</p>	Question Withdrawn
108	30-03-2021	700	<p>Property of a fluid by which molecules of different kinds of fluids are attracted to each other is called</p> <p>(A) Viscosity</p> <p>(B) Adhesion</p> <p>(C) Compressibility</p> <p>(D) Cohesion</p>	(B)