

Subject Code : 104 ▼

Subject Code	Exam Date	Q Id	Questions	Answer Key
104	30-03-2021	141	<p>Who among following was declared by the UN as “the most famous teenager in the world” in its ‘Decade in Review’ report in Dec 2019?</p> <p>(A) Malala Yousafzai</p> <p>(B) Jhumpa Lahiri</p> <p>(C) P V Sindhu</p> <p>(D) Dipa Karmakar</p>	(A)
104	30-03-2021	142	<p>Which airport has recently bagged the Airports Council International World’s ‘Voice of the Customer’ award?</p> <p>(A) Indira Gandhi International Airport, Delhi.</p> <p>(B) Kempegowda International Airport, Bengaluru.</p> <p>(C) Netaji Subhash Chandra Bose International Airport, Kolkata.</p> <p>(D) Chhatrapati Shivaji International Airport, Mumbai.</p>	(B)
104	30-03-2021	143	<p>Which state has recently won National Award for Best Electoral Practices 2020?</p> <p>(A) Meghalaya</p> <p>(B) Madhya Pradesh</p> <p>(C) Uttar Pradesh</p> <p>(D) Gujarat</p>	(A)
104	30-03-2021	144	<p>Who among the following constructed Kochi-Mangaluru Natural Gas Pipeline which was inaugurated by PM Modi?</p> <p>(A) Oil and Natural Gas Corporation</p> <p>(B) GAIL India Ltd</p>	(B)

			<p>(C) Bharat Heavy Electricals Limited</p> <p>(D) Petronet LNG</p>	
104	30-03-2021	145	<p>In Jan 2021, Union Cabinet approved the MoU with which country to send Indian Specified Skilled Workforce to work in 14 professional sectors of that country?</p> <p>(A) Japan</p> <p>(B) Malaysia</p> <p>(C) Singapore</p> <p>(D) South Korea</p>	(A)
104	30-03-2021	146	<p>Replace the underlined part with an appropriate meaning.</p> <p>He sold his house <u>for a song</u>.</p> <p>(A) very cheaply</p> <p>(B) at a discount</p> <p>(C) at a premium</p> <p>(D) at a reasonable price</p>	(A)
104	30-03-2021	147	<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: She said on the phone that she would report for duty next day.</p> <p>P : We waited for few days then we decided to go to her place.</p> <p>Q : But she did not.</p> <p>R : We found it locked.</p> <p>S : Even after that we waited for her quite a few days.</p> <p>S6: Eventually we reported to the police.</p> <p>(A) QPRS</p> <p>(B) PQSR</p>	(A)

			(C) PRQS (D) QPSR	
104	30-03-2021	148	Give antonym for the word 'ZENITH' (A) acme (B) nadir (C) climax (D) pinnacle	(B)
104	30-03-2021	149	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. The record for the biggest tiger hunt has not been <u>met</u> since 1911 when Lord Hardinge, then Viceroy of India, shot a tiger that measured 11 feet and 6 inches. (A) No improvement (B) improved (C) broken (D) better	(C)
104	30-03-2021	150	Fill up with most appropriate option: It took the child a long time to recover _____ the shock. (A) over (B) under (C) from (D) about	(C)
104	30-03-2021	151	In the following question, a word is followed by four	(D)

			<p>choices. Choose the word which is the most essential part of the given word.</p> <p>Writing</p> <p>(A) Author</p> <p>(B) Novel</p> <p>(C) Skills</p> <p>(D) Pen</p>	
104	30-03-2021	152	<p>Choose the word which is least like the others in a group?</p> <p>(A) Mason</p> <p>(B) Engineer</p> <p>(C) Blacksmith</p> <p>(D) Mechanic</p>	(D)
104	30-03-2021	153	<p>Look at this series:</p> <p>12, 38, 116, 350, 1052, ?</p> <p>What number should be the last?</p> <p>(A) 2200</p> <p>(B) 3158</p> <p>(C) 1800</p> <p>(D) 2800</p>	(B)
104	30-03-2021	154	<p>A, B,C ,D ,E, F, G, & H are eight friends. They are sitting on the circumference of a circular ground. Some of them are facing the center & some are facing outside. The person facing the center, who is second to the left of B is A & is third to the left of H. H, F, G & E are not facing the center. D is at the left of H & second to the right of C. G is not the neighbour of B & F. E is second to the left of G, who is second to the left of F. Who is fourth to the left of D?</p> <p>(A) B</p> <p>(B) C</p>	(A)

			(C) F (D) A	
104	30-03-2021	155	E is the sister of B. A is the father of C. B is the son of C. So how is A related to E? (A) Grandfather (B) Brother (C) Father (D) Grandson	(A)
104	30-03-2021	156	Two girls move in opposite directions, one from A to B and other from B to A. The girl from A reaches the destination in 16 hrs and girl from B reaches her destination in 25 hrs, after having met. If former's speed is 25 km/hr, what will be the speed of latter? (A) 10 km/hr (B) 20 km/hr (C) 12 km/hr (D) 16 km/hr	(B)
104	30-03-2021	157	The ratio of Rohan's age 4 years ago and Rahul's age after 4 years is 1 : 1. If at present, the ratio of their ages is 5 : 3, then find the ratio between Rohan's age 4 years hence and Rahul's age 4 years ago. (A) 1 : 3 (B) 3 : 1 (C) 4 : 3 (D) 3 : 4	(B)
104	30-03-2021	158	Gopal and Ravi contracted a work for Rs 480. If Gopal can do that work in 15 days and Ravi can complete that same work in 10 days. He completed this work with Mahesh in 5 days, then how much money Mahesh got. (A) Rs.80	(A)

			<p>(B) Rs.120</p> <p>(C) Rs.160</p> <p>(D) Rs. 40</p>	
104	30-03-2021	159	<p>The price of 10 chairs is equal to that of 4 tables. The price of 15 chairs and 2 tables together is Rs. 4000. The total price of 12 chairs and 3 tables is:</p> <p>(A) Rs. 3800</p> <p>(B) Rs. 3400</p> <p>(C) Rs. 3900</p> <p>(D) Rs. 3500</p>	(C)
104	30-03-2021	160	<p>The length of a rectangle is twice its breadth. If its length is decreased by 5 cm and the breadth is increased by 5 cm, the area of the rectangle is increased by 75 cm^2. Therefore, the length of the rectangle in cm is ?</p> <p>(A) 20</p> <p>(B) 30</p> <p>(C) 40</p> <p>(D) 50</p>	(C)
104	30-03-2021	161	<p>Brinell Test is for</p> <p>(A) Tensile test</p> <p>(B) Compression test</p> <p>(C) Impact test</p> <p>(D) Hardness test</p>	(D)
104	30-03-2021	162	<p>Ammonia or a Freon gas used in Air conditioning is called a/an</p> <p>(A) Refrigerant</p> <p>(B) Lubricant</p>	(A)

			(C) Coolant (D) Inert Gas	
104	30-03-2021	163	Speed of the main engine due to varying load is controlled by (A) Fuel pump (B) Turbocharger (C) Cam shaft (D) Governor	(D)
104	30-03-2021	164	Stress is (A) Force x Area (B) Force x Pressure (C) Force ÷ Area (D) Pressure ÷ Area	(C)
104	30-03-2021	165	'SMAW' is also known as (A) CO2 welding (B) TIG welding (C) Submerged arc welding (D) Manual Arc Welding	(D)
104	30-03-2021	166	Transition Fit means (A) It provides a clearance between shaft and hole (B) It provides interference between shaft and hole (C) It provides either a clearance or interference between shaft and hole (D) None of the options	(C)
104	30-03-2021	167	$\pi r^2 h$ is the formula for calculating volume of ? (r = radius, h = height)	(B)

			<p>(A) Cone</p> <p>(B) Cylinder</p> <p>(C) Circle</p> <p>(D) Cuboid</p>	
104	30-03-2021	168	<p>A gear is manufactured in a</p> <p>(A) Milling machine</p> <p>(B) Lathe</p> <p>(C) Drilling machine</p> <p>(D) Turner</p>	(A)
104	30-03-2021	169	<p>Dynamometer is used for conducting</p> <p>(A) Tensile test</p> <p>(B) Impact test</p> <p>(C) Load test</p> <p>(D) Compression test</p>	(C)
104	30-03-2021	170	<p>Welding shield glass protects the eye from</p> <p>(A) Infra red rays</p> <p>(B) Ultra violet rays</p> <p>(C) Dust and smoke</p> <p>(D) Heat</p>	(B)
104	30-03-2021	171	<p>In web browsing the full form of 'HTML'is</p> <p>(A) Hyper text Mark up language</p> <p>(B) High transmission metropolitan language</p> <p>(C) High transfer mark up language</p> <p>(D) Hyper text metropolitan language</p>	(A)
104	30-03-2021	172	<p>Factor of safety</p>	(C)

			<p>(A) Working load ÷ Failure Load</p> <p>(B) Stress ÷ Strain</p> <p>(C) Failure load ÷ Working Load</p> <p>(D) Strain ÷ Stress</p>	
104	30-03-2021	173	<p>The first activity of Purchasing cycle is</p> <p>(A) Recognizing the need for procurement</p> <p>(B) Creating product specification</p> <p>(C) Issuing tender</p> <p>(D) Identifying backlogs</p>	(A)
104	30-03-2021	174	<p>In a diesel engine, the fuel is ignited by</p> <p>(A) Spark</p> <p>(B) Injected fuel</p> <p>(C) Ignition</p> <p>(D) Heat resulting from compressing air that is supplied for combustion</p>	(D)
104	30-03-2021	175	<p>The ratio of specific weight of a liquid to the specific weight of pure water at a standard temperature is called</p> <p>(A) specific gravity of liquid</p> <p>(B) compressibility of liquid</p> <p>(C) specific density of liquid</p> <p>(D) surface tension of liquid</p>	(A)
104	30-03-2021	176	<p>Normal process involved in making of a pipe flange from a 15mm thick plate</p> <p>(A) Turning, Milling, Drilling</p> <p>(B) Gas Cutting, Turning, Drilling</p> <p>(C) Abrasive Cutting, Milling, Drilling</p>	(B)

			(D) Gas Cutting, Turning, Grinding	
104	30-03-2021	177	<p>In an isolated system, _____ can be transferred between the system and its surrounding.</p> <p>(A) Only energy</p> <p>(B) Only mass</p> <p>(C) Both energy and mass</p> <p>(D) Neither energy nor mass</p>	(D)
104	30-03-2021	178	<p>Power available at the shaft of an IC engine is known as</p> <p>(A) Brake horse power</p> <p>(B) Indicated horse power</p> <p>(C) Net indicated horse power</p> <p>(D) Pumping power</p>	(A)
104	30-03-2021	179	<p>The process of heat transfer from one particle of the body to another by actual motion of the heated particle, is known as</p> <p>(A) Conduction</p> <p>(B) Convection</p> <p>(C) Radiation</p> <p>(D) All of the options</p>	(B)
104	30-03-2021	180	<p>Compressor capacity is expressed in</p> <p>(A) kg/cubic metre</p> <p>(B) Cubic metre/min</p> <p>(C) Cubic metre/kg</p> <p>(D) metre/min</p>	(B)
104	30-03-2021	181	<p>A rotameter is a device used to measure</p> <p>(A) Velocity of fluid in pipes</p>	(D)

			<p>(B) Velocity gauges</p> <p>(C) Vortex flow</p> <p>(D) Flow of fluids</p>	
104	30-03-2021	182	<p>A sharp obstruction over which the flow of a fluid takes place</p> <p>(A) Wear</p> <p>(B) Notch</p> <p>(C) Orifice</p> <p>(D) Pass</p>	(C)
104	30-03-2021	183	<p>Velocity of fluid particle at the centre of the pipe section is</p> <p>(A) Maximum</p> <p>(B) Minimum</p> <p>(C) Average</p> <p>(D) r.m.s</p>	(A)
104	30-03-2021	184	<p>Capillary action is due to the</p> <p>(A) Viscosity of fluid</p> <p>(B) Cohesion of liquid molecules</p> <p>(C) Surface tension</p> <p>(D) Adhesion of liquid particles on the surface</p>	(C)
104	30-03-2021	185	<p>Fire hose nozzle is generally made of</p> <p>(A) Divergent shape</p> <p>(B) Convergent shape</p> <p>(C) Cylindrical shape</p> <p>(D) Parabolic shape</p>	(B)
104	30-03-2021	186	<p>For pumping viscous oil, pump used will be</p>	(D)

			<p>(A) Centrifugal pump</p> <p>(B) Reciprocating pump</p> <p>(C) Turbine pump</p> <p>(D) Screw pump</p>	
104	30-03-2021	187	<p>Air vessels in reciprocating pump are used to</p> <p>(A) Smoothen flow</p> <p>(B) Reduce acceleration to minimum</p> <p>(C) Increase pump efficiency</p> <p>(D) Increase pump head</p>	(B)
104	30-03-2021	188	<p>In SI units, one tonne of refrigeration is equivalent to</p> <p>(A) 1.5 KW</p> <p>(B) 2.5 KW</p> <p>(C) 3.5 KW</p> <p>(D) 5 KW</p>	(C)
104	30-03-2021	189	<p>Dehumidification of air is normally done by</p> <p>(A) heating</p> <p>(B) cooling</p> <p>(C) Superheating</p> <p>(D) Injecting water</p>	(B)
104	30-03-2021	190	<p>In diesel generators, KVA is</p> <p>(A) Power factor/ Kilo watt</p> <p>(B) Power factor X Kilo watt</p> <p>(C) Kilo watt/ Power factor</p> <p>(D) Watt/ Power factor</p>	(C)
104	30-03-2021	191	<p>When the upper limit of the hole is less than the</p>	(B)

			<p>lower limit of shaft, such kind of fits are called</p> <p>(A) Clearance fit</p> <p>(B) Interference fit</p> <p>(C) Transition fit</p> <p>(D) Integration fit</p>	
104	30-03-2021	192	<p>Fire Triangle contains</p> <p>(A) Oxygen</p> <p>(B) Fuel</p> <p>(C) Heat</p> <p>(D) All of the options</p>	(D)
104	30-03-2021	193	<p>Property of material, which enables it to cut easily is known as</p> <p>(A) Toughness</p> <p>(B) Malleability</p> <p>(C) Brittleness</p> <p>(D) Machinability</p>	(D)
104	30-03-2021	194	<p>Buoyant force is</p> <p>(A) Resultant of upthrust and gravity forces acting on the body</p> <p>(B) Resultant force on the body due to the fluid surrounding it</p> <p>(C) Resultant of static weight of body and dynamic thrust of fluid</p> <p>(D) Equal to the volume of liquid displaced by the body</p>	(D)
104	30-03-2021	195	<p>A forging method for reducing the diameter of a bar and in the process making it longer is termed as</p> <p>(A) Fullering</p>	(A)

			<p>(B) Punching</p> <p>(C) Upsetting</p> <p>(D) Extruding</p>	
104	30-03-2021	196	<p>Which one of the following is an advantage of forging</p> <p>(A) Good surface finish</p> <p>(B) low tooling cost</p> <p>(C) close tolerance</p> <p>(D) improved physical property</p>	(D)
104	30-03-2021	197	<p>In which one of the following welding technique is vacuum environment required?</p> <p>(A) Ultrasonic welding</p> <p>(B) laser beam welding</p> <p>(C) Plasma arc welding</p> <p>(D) Electron beam welding</p>	(D)
104	30-03-2021	198	<p>Internal gears can be made by</p> <p>(A) Hobbing</p> <p>(B) Gear shaping with rack cutter</p> <p>(C) Gear shaping with pinion cutter</p> <p>(D) gang milling</p>	(C)
104	30-03-2021	199	<p>In shaper machine, the mechanism for tool feed is</p> <p>(A) Geneva mechanism</p> <p>(B) Whitworth mechanism</p> <p>(C) Ratchet and Pawl mechanism</p> <p>(D) Ward - Leonard System</p>	(B)
104	30-03-2021	200	<p>In milling machine, the cutting tool is held in position by</p>	(C)

			<p>(A) Chuck</p> <p>(B) Spindle</p> <p>(C) Arbor</p> <p>(D) Tool holder</p>	
104	30-03-2021	201	<p>Screw threads are produced on solid rods by using which one of the following?</p> <p>(A) Dies</p> <p>(B) Punch</p> <p>(C) Mandrel</p> <p>(D) Boring bar</p>	(A)
104	30-03-2021	202	<p>What is the number of jaws in self centred chuck?</p> <p>(A) 8</p> <p>(B) 6</p> <p>(C) 4</p> <p>(D) 3</p>	(D)
104	30-03-2021	203	<p>Interference fit joints are provided for</p> <p>(A) Assembling bush bearing in housing</p> <p>(B) Mounting heavy duty gears on shafts</p> <p>(C) Mounting pulley on shafts</p> <p>(D) Assembly of flywheels on shaft</p>	(A)
104	30-03-2021	204	<p>Which one of the following is the measure of forecast error?</p> <p>(A) Mean absolute deviation</p> <p>(B) Trend value</p> <p>(C) Moving average</p> <p>(D) Price fluctuation</p>	(A)

104	30-03-2021	205	<p>At break even point, inventory carrying cost is</p> <p>(A) four times the preparatory cost</p> <p>(B) three times the preparatory cost</p> <p>(C) two times the preparatory cost</p> <p>(D) equal to the preparatory cost</p>	(D)
104	30-03-2021	206	<p>If a material expands freely due to heating, it will develop</p> <p>(A) thermal stress</p> <p>(B) tensile stress</p> <p>(C) compressive stress</p> <p>(D) no stress</p>	(D)
104	30-03-2021	207	<p>Which one of the following crystal systems is valid for gold?</p> <p>(A) Orthogonal</p> <p>(B) Cubic</p> <p>(C) Hexagonal</p> <p>(D) Triclinic</p>	(B)
104	30-03-2021	208	<p>Materials which show direction dependant properties are called</p> <p>(A) Homogenous</p> <p>(B) Viscoelastic</p> <p>(C) Isotropic</p> <p>(D) Anisotropic</p>	(D)
104	30-03-2021	209	<p>In a refrigeration system, the expansion device is connected between the</p> <p>(A) Compressor and condenser</p> <p>(B) Condenser and receiver</p>	(C)

			(C) Receiver and evaporator (D) Evaporator and compressor	
104	30-03-2021	210	In an inert gas welding process, the commonly used gas is (A) Hydrogen (B) Oxygen (C) Helium or Argon (D) Krypton	(C)