

Subject Code : 301 ▼

Subject Code	Exam Date	Q Id	Questions	Answer Key
301	11-02-2020	1	<p>The work “Advaita Ashrama” recently in news is considered as the compilation of works of which of the following Indian personalities/philosophers ?</p> <p>(A) Rabindranath Tagore</p> <p>(B) Swami Vivekananda</p> <p>(C) Sri Sankaracharya</p> <p>(D) Shyama Prasad Mukherjee</p>	(B)
301	11-02-2020	2	<p>Which of the following hormones is a steroid?</p> <p>(A) Estrogen</p> <p>(B) Glucagon</p> <p>(C) Insulin</p> <p>(D) Oxytocin</p>	(A)
301	11-02-2020	3	<p>..... is the first woman to head a public sector bank.</p> <p>(A) Arundhati Bhattacharya</p> <p>(B) Shikha Sharma</p> <p>(C) Chanda Kochar</p> <p>(D) Usha Ananthasubramanyan</p>	(A)
301	11-02-2020	4	<p>Which of the following are known as Pressure Groups?</p> <p>(A) Trade unions</p> <p>(B) Caste groups</p> <p>(C) Tribal organisations</p> <p>(D) All of the options</p>	(D)

301	11-02-2020	5	<p>The oldest Football Tournament in India is :</p> <p>(A) Rovers Cup</p> <p>(B) I. F. A. Shield</p> <p>(C) Durand Cup</p> <p>(D) Tata Cup</p>	(C)
301	11-02-2020	6	<p>Identify the error in the statement-</p> <p>Each and every one / was / present / at the wedding.</p> <p>(A) Each and every one</p> <p>(B) was</p> <p>(C) present</p> <p>(D) at the wedding</p>	(B)
301	11-02-2020	7	<p>Choose the word which best expresses the meaning of given phrase:</p> <p>A short walk for pleasure or exercise.</p> <p>(A) jog</p> <p>(B) stroll</p> <p>(C) gallop</p> <p>(D) promenade</p>	(B)
301	11-02-2020	8	<p>Fill in the blanks with the most appropriate word :</p> <p>Ramesh's mind was attuned ---- music.</p> <p>(A) to</p> <p>(B) on</p> <p>(C) at</p> <p>(D) with</p>	(A)
301	11-02-2020	9	<p>Fill in the blanks with the most appropriate word :</p>	(D)

			<p>It is dangerous to enter ----- the enemy's camp.</p> <p>(A) in</p> <p>(B) on</p> <p>(C) by</p> <p>(D) into</p>	
301	11-02-2020	10	<p>Choose the option with correct spelling</p> <p>(A) recieve</p> <p>(B) rieceve</p> <p>(C) reiceve</p> <p>(D) receive</p>	(D)
301	11-02-2020	11	<p>Pointing to a girl, Mihir said "She is the only daughter of my grand father's only child". How is the girl related to Mihir?</p> <p>(A) Daughter</p> <p>(B) Niece</p> <p>(C) Sister</p> <p>(D) Data inadequate</p>	(C)
301	11-02-2020	12	<p>In a row of twenty-five children facing South R is sixteenth from the right end and B is eighteenth from the left end. How many children are there between R and B?</p> <p>(A) 2</p> <p>(B) 3</p> <p>(C) 4</p> <p>(D) None of the options</p>	(D)
301	11-02-2020	13	<p>Man : Biography :: Nation : ?</p> <p>(A) Leader</p> <p>(B) People</p>	(D)

			(C) Geography (D) History	
301	11-02-2020	14	Odd man out: 3, 7, 15, 39, 63, 127, 255, 511 (A) 15 (B) 39 (C) 63 (D) 127	(B)
301	11-02-2020	15	In a certain code language 'they have come back' is written as 'na ja sa da' and 'they have gone there' is written as 'da ka pa na'. How is 'come' written in that code language? (A) sa (B) na (C) ja (D) sa or ja	(D)
301	11-02-2020	16	At what rate percent on simple interest will Rs.750 amount to Rs.900 in 5 years? (A) 5 % (B) 3 % (C) 4 % (D) 5.50%	(C)
301	11-02-2020	17	If y exceeds x by 20%, then x is less than y by? (A) 16% (B) 16 1/3 %	(C)

			(C) $16 \frac{2}{3} \%$ (D) $16 \frac{3}{5} \%$	
301	11-02-2020	18	After decreasing 24%, the price of an article costs Rs.912. Find the actual cost of an article? (A) 1400 (B) 1300 (C) 1200 (D) 1100	(C)
301	11-02-2020	19	The sum of the present ages of two persons A and B is 60. If the age of A is twice that of B, find the sum of their ages 5 years hence? (A) 50 (B) 60 (C) 70 (D) 80	(C)
301	11-02-2020	20	The average of 11 numbers is 10.9. If the average of first six is 10.5 and that of the last six is 11.4 the sixth number is? (A) 11 (B) 11.3 (C) 11.4 (D) 11.5	(D)
301	11-02-2020	21	The direction of rotation for a single shaft fixed pitch propeller looking from aft of propeller is (A) Clockwise (B) Counter Clockwise (C) Both clockwise & counter clockwise (D) No specific direction	(A)

301	11-02-2020	22	<p>The direction of rotation for a single shaft Controllable pitch propeller looking from aft of propeller is</p> <p>(A) Clockwise</p> <p>(B) Counter Clockwise</p> <p>(C) Both clockwise & counter clockwise</p> <p>(D) No specific direction</p>	(B)
301	11-02-2020	23	<p>Which of the following non destructive testing is used to detect change in composition of any material?</p> <p>(A) Radiography</p> <p>(B) Eddy current test</p> <p>(C) Ultrasonic test</p> <p>(D) Liquid penetration test</p>	(A)
301	11-02-2020	24	<p>Which of the following defects occur due to melting or burning away of base metal in welding?</p> <p>(A) Porosity</p> <p>(B) Cold Cracking</p> <p>(C) Hot cracking</p> <p>(D) Under cut</p>	(D)
301	11-02-2020	25	<p>Which of the following pump is generally used to pump high viscous fluids?</p> <p>(A) Centrifugal</p> <p>(B) Reciprocating</p> <p>(C) Air Lift</p> <p>(D) Screw</p>	(D)
301	11-02-2020	26	<p>Which of the following pump is different from others in the same group?</p>	(D)

			<p>(A) Screw Pump</p> <p>(B) Gear Pump</p> <p>(C) Cam and piston pump</p> <p>(D) Plunger pump</p>	
301	11-02-2020	27	<p>Burr is</p> <p>(A) Sharp edge remaining on the metal after curing, stamping or machining</p> <p>(B) A marking on work piece to identify for correct position on a work piece</p> <p>(C) Burnt surface of casting</p> <p>(D) Un machined portion of work piece.</p>	(A)
301	11-02-2020	28	<p>The instrument used for finding the velocity of liquid is</p> <p>(A) Venturimeter</p> <p>(B) Pitot tube</p> <p>(C) Orifice meter</p> <p>(D) All of the options</p>	(B)
301	11-02-2020	29	<p>Standard thread length for bolts is</p> <p>(A) $2d+4$</p> <p>(B) $2d+6$</p> <p>(C) $2d+8$</p> <p>(D) $2d+10$</p>	(B)
301	11-02-2020	30	<p>Internal weld defects are detected by</p> <p>(A) Magnetic particle method</p> <p>(B) Die penetrant method</p> <p>(C) X-Ray method</p> <p>(D) Destructive testing</p>	(C)

301	11-02-2020	31	<p>With decrease in Schedule of the pipe, the</p> <p>(A) OD of pipes decreases</p> <p>(B) Wall thick decreases</p> <p>(C) ID decreases</p> <p>(D) ID increases</p>	(B)
301	11-02-2020	32	<p>What is the function of a butterfly valve?</p> <p>(A) On/ off control</p> <p>(B) Flow regulation</p> <p>(C) Pressure control</p> <p>(D) Hydraulic control</p>	(B)
301	11-02-2020	33	<p>Which of the following valves is better for on/ off control?</p> <p>(A) Ball valve</p> <p>(B) Butterfly valve</p> <p>(C) Plug valve</p> <p>(D) Knife valve</p>	(A)
301	11-02-2020	34	<p>Which type of valve is preferred for vacuum applications?</p> <p>(A) Diaphragm valve</p> <p>(B) Butterfly valve</p> <p>(C) Globe valve</p> <p>(D) Sluice valve</p>	(A)
301	11-02-2020	35	<p>Which valve can be used in the service to handle fluids and gases and at the same time can be used for throttling as well?</p> <p>(A) Butterfly valve</p> <p>(B) Gate valve</p>	(C)

			(C) Plug valve (D) Diaphragm valve	
301	11-02-2020	36	OSHA ensures that employees have been provided with _____ (A) Job (B) PPE (C) Insurance (D) Security	(B)
301	11-02-2020	37	What is the aim of fool proofing technique used for total quality management? (A) to achieve zero defects (B) to specify time schedules (C) to specify targets (D) to ensure safety	(A)
301	11-02-2020	38	Shafting located inside the ship is termed as _____. (A) Dry shafting (B) Wet shafting (C) Line shafting (D) Crank shafting	(C)
301	11-02-2020	39	Gap and sag method is associated with? (A) welding (B) shaft alignment (C) block erection (D) unit assembly	(B)
301	11-02-2020	40	A tap bolt is (A) head on one end and a nut fitted to other	(B)

			<p>(B) head at one end and other end fits to a tapped hole in other part to be joined</p> <p>(C) both ends threaded</p> <p>(D) pointed threads</p>	
301	11-02-2020	41	<p>Function of washer is to</p> <p>(A) provide cushioning effect</p> <p>(B) provide bearing area</p> <p>(C) absorb shock</p> <p>(D) provide smooth surface</p>	(B)
301	11-02-2020	42	<p>Welding defect caused due to stresses on heating and cooling is called ____.</p> <p>(A) Incomplete penetration</p> <p>(B) Incomplete fusion</p> <p>(C) Slag entrapment</p> <p>(D) Shrinkage void</p>	(D)
301	11-02-2020	43	<p>X rays are useful in detecting defects upto ____ thickness.</p> <p>(A) 60mm</p> <p>(B) 61mm</p> <p>(C) 62mm</p> <p>(D) 63mm</p>	(C)
301	11-02-2020	44	<p>Which among the following materials cannot be tested with Ultrasonic Testing?</p> <p>(A) Plastics</p> <p>(B) Ceramics</p> <p>(C) Non ferrous objects</p> <p>(D) Ferrous objects</p>	Question Withdrawn

301	11-02-2020	45	<p>Which among the following is not an advantage of CNC machine?</p> <p>(A) Improved strength of components</p> <p>(B) Improved quality</p> <p>(C) Reduced separate</p> <p>(D) Higher flexibility</p>	(A)
301	11-02-2020	46	<p>Axial flow pumps is started with its delivery valve</p> <p>(A) kept fully closed</p> <p>(B) kept fully open</p> <p>(C) irrespective of any position</p> <p>(D) kept 50% open</p>	(B)
301	11-02-2020	47	<p>In centrifugal pump liquid enters the pump at</p> <p>(A) top</p> <p>(B) bottom</p> <p>(C) center</p> <p>(D) no liquid required</p>	(C)
301	11-02-2020	48	<p>The accumulation of carbon in a cylinder results in increase of</p> <p>(A) clearance volume</p> <p>(B) volumetric efficiency</p> <p>(C) ignition time</p> <p>(D) effective compression ratio</p>	(D)
301	11-02-2020	49	<p>Which among the following method is used in diesel engine?</p> <p>(A) Quantity governing</p> <p>(B) Quality governing</p>	(B)

			(C) Combined governing (D) Partial governing	
301	11-02-2020	50	Personal Protective Equipment & Personal Protective Clothing is associated with (A) ISO 9000 (B) ISO 14001 (C) OHSAS 18001 (D) Aspect Impact Analysis	(C)
301	11-02-2020	51	Among the following most suitable time for shaft alignment process is from ___ to ____. (A) 10pm to 12am (B) 2am to 6am (C) 8am to 10am (D) None of the options	(B)
301	11-02-2020	52	Which among the following propeller have highest efficiency- propeller with (A) 2 blades (B) 3 blades (C) 4 blades (D) 5 blades	(A)
301	11-02-2020	53	Strength of hollow shaft is ___ solid shaft of same weight. (A) greater than (B) lesser than (C) equal to (D) almost equal to	(A)
301	11-02-2020	54	Pre -outfitting in ship building means	(C)

			<p>(A) outfitting in block stage before painting</p> <p>(B) outfitting in block stage after painting</p> <p>(C) outfitting independent of hull</p> <p>(D) outfitting in onboard condition</p>	
301	11-02-2020	55	<p>The metacentric height of a stable ship is</p> <p>(A) above centre of gravity</p> <p>(B) below centre of gravity</p> <p>(C) between centre of gravity and centre of bouyancy</p> <p>(D) below centre of bouyancy</p>	(A)
301	11-02-2020	56	<p>The preliminary dimension for fitting draft mark in a ship is done</p> <p>(A) after keel sighting</p> <p>(B) after principle dimension survey</p> <p>(C) after load line survey</p> <p>(D) after inclination test</p>	(A)
301	11-02-2020	57	<p>Chock fasting of main engine is done usually</p> <p>(A) in drydock condition</p> <p>(B) in floating condition</p> <p>(C) in block stage</p> <p>(D) in floating condition with sailing draft</p>	(D)
301	11-02-2020	58	<p>Which of the following is a sea trial procedure?</p> <p>(A) speed trial</p> <p>(B) endurance trial</p> <p>(C) steering gear trial</p> <p>(D) All of the options</p>	(D)

301	11-02-2020	59	Which of the following is an international safety code to be followed during ship construction? (A) SOLAS (B) MARPOL (C) FTP code (D) All of the options	(D)
301	11-02-2020	60	Which of the following machinery is used for turning the ship in 360 degree? (A) BOW thruster (B) rudder (C) propeller (D) anchor	(A)
301	11-02-2020	61	The most economical method of drilling 50 mm hole in a 30 mm plate is by using (A) core cutters (B) drill bits (C) reamer (D) None of the options	(A)
301	11-02-2020	62	Which of the following test is used for testing the water integrity of ballast tanks in ship building? (A) air test (B) hydraulic test (C) DP test (D) wind test	(A)
301	11-02-2020	63	Ship floating is based on (A) Archemedis theory (B) Pascals theory	(A)

			(C) Newtons theory (D) Faradays theory	
301	11-02-2020	64	1 bar is equivalent to (A) 10.1m of water column (B) 9.8m of water column (C) 1m of water column (D) 0.1m of water column	(A)
301	11-02-2020	65	ST2 notation is used in (A) surface preparation for painting (B) machining (C) drilling (D) roughing	(A)
301	11-02-2020	66	During refrigeration cycle ,heat is rejected by the refrigerant into (A) condenser (B) evaporator (C) compressor (D) expansion valve	(A)
301	11-02-2020	67	The tendency of a body to resist change from rest or motion is known as (A) inertia (B) friction (C) mass (D) resisting force	(A)
301	11-02-2020	68	A shaft is subjected to (A) shear stress	(C)

			(B) bending stress (C) both shear & bending stress (D) no stress	
301	11-02-2020	69	Compressor capacity is expressed in (A) kg/cubic metre (B) cubic metre/kg (C) cubic metre/minute (D) cubic metre/g	(C)
301	11-02-2020	70	The shaft alignment is done using (A) dial gauge (B) vernier caliper (C) measuring tape (D) strain gauge	(A)