

Subject Code : 501

Subject Code	Exam Date	Q Id	Questions	Answer Key
501	13-02-2020	1	Which of the following is the official language in Argentina? (A) Portuguese (B) French (C) Spanish (D) Dutch	(C)
501	13-02-2020	2	Which among the following is not a work of Rabindranath Tagore? (A) Chitra (B) Kapala Kundala (C) The Court Dancer (D) Chithrangada	(B)
501	13-02-2020	3	Guru Gopi Krishna was a maestro of which of the following dance format? (A) Kuchipudi (B) Kathak (C) Manipuri (D) Bharatanatyam	(B)
501	13-02-2020	4	Which company topped the list of global "Fortune 500" in the year 2019 (A) Walmart (B) Toyota Motor (C) Google	(A)

			(D) Amazon	
501	13-02-2020	5	Which Indian actor was recently honored with the Crystal Award of the World Economic Forum 2020 (A) Priyanka Chopra (B) Deepika Padukone (C) Alia Bhatt (D) Katrina Kaif	(B)
501	13-02-2020	6	Select the most appropriate meaning of the given idiom. " A pioneer of a reform movement" (A) Apostle (B) Apothecary (C) Apotheosis (D) Renegade	(A)
501	13-02-2020	7	Select the synonym of the given word. "ABSTAIN" (A) Refrain (B) Ingest (C) Take in (D) Consume	(A)
501	13-02-2020	8	What is the correct meaning of the idiom ' To fly off the handle '? (A) to act foolishly (B) to be indifferent	(D)

			<p>(C) to break something</p> <p>(D) to get into a rage and lose self control</p>	
501	13-02-2020	9	<p>Read the following sentence to find out whether there is any grammatical error in it. The error, if any will be in any one part of the sentence. The letter of that part is the answer. If there is no error, the answer is 'D'.</p> <p>If you listen with (A)/ the question carefully (B)/ you will be able to answer them easily (C) / No error (D)</p> <p>(A) A</p> <p>(B) B</p> <p>(C) C</p> <p>(D) D</p>	(A)
501	13-02-2020	10	<p>Fill in the blanks with appropriate words.</p> <p>Doctors and lawyers _____ that advertising will certainly _____ their profession adversely</p> <p>(A) trust, damage</p> <p>(B) believe, affect</p> <p>(C) contemplate, boost</p> <p>(D) plead, escalate</p>	(B)
501	13-02-2020	11	<p>A man walks 1 km to East and then he turns to South and walks 5 km. Again he turns to East and walks 2 km. After this he turns to North and walks 9 km. Now, how far is he from his starting point?</p> <p>(A) 3 km</p> <p>(B) 4 km</p> <p>(C) 5 km</p> <p>(D) 7 km</p>	(C)

501	13-02-2020	12	<p>A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C ?</p> <p>(A) father (B) brother (C) uncle (D) grandfather</p>	(C)
501	13-02-2020	13	<p>If you are a good artist, then we have definitely a job for you.</p> <p>Conclusion :</p> <p>I. You are a good artist. II. We are in need of good artist.</p> <p>(A) Only conclusion I follows. (B) Only conclusion II follows. (C) Either I or II follows. (D) Neither I or II follows.</p>	(B)
501	13-02-2020	14	<p>784 : 812 :: 1024 : __</p> <p>(A) 1040 (B) 1056 (C) 1132 (D) 1098</p>	(B)
501	13-02-2020	15	<p>How many 6's are there in the following series of numbers which are preceded by 7 but not immediately followed by 9?</p> <p>6 7 9 5 6 9 7 6 8 7 6 7 8 6 9 4 6 7 7 6 9 5 7 6 3</p> <p>(A) One (B) Two</p>	(C)

			(C) Three (D) Four	
501	13-02-2020	16	The ratio between the perimeter and the breadth of a rectangle is 5 : 1. If the area of the rectangle is 216 sq. cm, what is the length of the rectangle? (A) 16 cm (B) 18cm (C) 24cm (D) data inadequate	(B)
501	13-02-2020	17	By selling a bicycle for Rs. 2,850, a shopkeeper gains 14%. If the profit is reduced to 8%, then the selling price will be: (A) Rs.2600 (B) Rs.2700 (C) Rs.3800 (D) Rs.3000	(B)
501	13-02-2020	18	Tarun and Vinay's mud forts have heights 8cm and 15 cm. They are 24 cm apart. How far are the fort tops from each other? (A) 31 cm (B) 24 cm (C) 25 cm (D) 24.5 cm	(C)
501	13-02-2020	19	If 50% of a number is added to 50, the result is the number itself. Then the number is (A) 50 (B) 200	(D)

			(C) 150 (D) 100	
501	13-02-2020	20	The square root of (4225-256) (A) 63 (B) 62 (C) 60 (D) 65	(A)
501	13-02-2020	21	Which one is most active material in a galvanic series? (A) gold (B) steel (C) copper (D) magnesium	(D)
501	13-02-2020	22	Coating application should not take place unless the surface temperature is at least ----- the dew point. (A) 3 degree C less than (B) 2 degree C less than (C) 3 degree C higher than (D) equal to	(C)
501	13-02-2020	23	Full form of MSDS (A) material safety data sheet (B) master standard data system (C) material standard data system	(A)

			(D) material standard data sheet	
501	13-02-2020	24	Mill scale is formed by the reaction between the hot steel and during the production process. (A) hydrogen (B) nitrogen (C) oxygen (D) water	(C)
501	13-02-2020	25	Advantage of airless spray over conventional spray painting (A) high production rate (B) uniform thick coating (C) coating penetrates better into pits,cervices and corners (D) All of the options	(D)
501	13-02-2020	26	Airless spray tips are generally constructed of Alloy (A) carbon steel (B) tungsten carbide (C) stainless steel (D) Al steel	(B)
501	13-02-2020	27	For a proper application of paint, the relative humidity should be less than (A) 92% (B) 90% (C) 95%	(B)

			(D) 93%	
501	13-02-2020	28	Among these coatings which one is not cured alone by solvent evaporation? (A) chlorinated rubber (B) acrylics (C) epoxy (D) vinyl	(C)
501	13-02-2020	29	The most common coating defect due to high thickness application is known as (A) alligatoring (B) chalking (C) wrinkling (D) cracking	(C)
501	13-02-2020	30	Stages of adhesion failure includes (A) blistering (B) peeling (C) flaking (D) All of the options	(D)
501	13-02-2020	31	Type of paint that is used for fresh water tanks in marine field (A) primer (B) antifouling (C) pure epoxy (D) tie coat	(C)

501	13-02-2020	32	Coating that is cured by hot induced polymerization (A) epoxies (B) epoxy modified phenolics (C) silicones (D) All of the options	(D)
501	13-02-2020	33	Estimate the paint quantity required for application of an area 200 sqm with DFT 75 microns. Paint is having % volume of solid 65 and consider loss factor as 30 %. (A) 33 L (B) 30.5 L (C) 29 L (D) 27.5L	(A)
501	13-02-2020	34	Annual blasting spots are hydro tested to ---- times the design pressure (A) 2.5 (B) 1.5 (C) 3.5 (D) 4	(B)
501	13-02-2020	35	What is the use of inhibitors in waterjetting? (A) To prevent cleared surface from rust (B) To increase speed of blasting (C) To change pH of water (D) To protect blasting gun	(A)
501	13-02-2020	36	Name of the test used to find out the quality of air	(B)

			<p>used for blasting jobs ?</p> <p>(A) patch test</p> <p>(B) blotter test</p> <p>(C) aperture test</p> <p>(D) vial test</p>	
501	13-02-2020	37	<p>Paint sludge belongs to which category of waste</p> <p>(A) Industrial waste</p> <p>(B) Non industrial waste</p> <p>(C) Hazardous waste</p> <p>(D) Plastic waste</p>	(C)
501	13-02-2020	38	<p>Separate coat applied to edges, corners, welds and other vulnerable areas to provide extra thickness is known as</p> <p>(A) Mist coat</p> <p>(B) Stripe coat</p> <p>(C) Tack coat</p> <p>(D) Full wet coat</p>	(B)
501	13-02-2020	39	<p>Sequence of application of system paints in the under water area of ships?</p> <p>(A) primer, tie coat, antifouling, anticorrosive</p> <p>(B) primer, antifouling, anticorrosive, tie coat</p> <p>(C) primer, anticorrosive, tie coat, antifouling</p> <p>(D) primer, anticorrosive, antifouling, tie coat</p>	(C)
501	13-02-2020	40	<p>Coating be allowed to sit for a period of time after mixing of the converter and base known as ?</p>	(B)

			(A) Pot life (B) sweat- in time (C) shelf life (D) All of the options	
501	13-02-2020	41	What is the full form of PSPC? (A) Performance standard for cathodic protection (B) Perfomance standard for protective coatings (C) Procedure for steel protective coatings (D) Performance standard for protection of cathodes	(B)
501	13-02-2020	42	The rate of corrosion can be slowed by (A) Dehumidifying the air (B) Increased pollutants (C) High humidity (D) All of the options	(A)
501	13-02-2020	43	What is Emulsion paint ? (A) Paints in which the binder is dispersed in water (B) Paints in which the binder is not dispersed in water (C) Protective coatings (D) None of the options	(A)
501	13-02-2020	44	Personnel Protective Equipments (PPEs) used for spray painting application is (A) Protective coveralls	(D)

			<p>(B) Mask</p> <p>(C) Goggles</p> <p>(D) All of the options</p>	
501	13-02-2020	45	<p>Coating surveys may include which of the following steps :-</p> <ol style="list-style-type: none"> 1. Organise the collected data 2. Conduct the survey 3. Schedule the remedial work 4. Evaluate the coating Performance <p>(A) 1, 2 & 3 only</p> <p>(B) 1,3 & 4 only</p> <p>(C) 1,2 & 4 Only</p> <p>(D) All of the options</p>	(C)
501	13-02-2020	46	<p>Corrosion can be controlled by</p> <p>(A) Proper design</p> <p>(B) Material selection</p> <p>(C) Protective coatings</p> <p>(D) All of the options</p>	(D)
501	13-02-2020	47	<p>Describe 'BLISTERING'</p> <p>(A) colour changes or irregularities</p> <p>(B) small to large broken or unbroken bubbles</p> <p>(C) flat finish with milky appearance</p> <p>(D) None of the options</p>	(B)
501	13-02-2020	48	<p>How much paint is required to paint an area of 600 m² having a paint of Practical Spread Rate (PSR) of 4.14 m²/L?</p> <p>(A) 135</p>	(C)

			<p>(B) 140</p> <p>(C) 145</p> <p>(D) 150</p>	
501	13-02-2020	49	<p>A Corrosion cell consists of</p> <p>(A) Anode, Cathode and Electrolyte</p> <p>(B) Anode, Cathode and Metallic Pathway</p> <p>(C) Anode, Cathode, Electrolyte and Metallic Pathway</p> <p>(D) Anode and Cathode</p>	(C)
501	13-02-2020	50	<p>Which equipment is used for inspection during surface preparation?</p> <p>(A) Testex Tape</p> <p>(B) Dew Point Gauge</p> <p>(C) Conductivity Tester</p> <p>(D) All of the options</p>	(D)
501	13-02-2020	51	<p>As per ISO 8501-1, what is meant by Rust Grade C ?</p> <p>(A) Steel surface largely adhering with mill scale</p> <p>(B) Steel surface which has begun to rust and from which mill scale has begun to flake.</p> <p>(C) Steel surface on which mill scale has rust away or which it can be scraped, but with slight pitting visible under normal vision.</p> <p>(D) None of the options</p>	(C)
501	13-02-2020	52	<p>What is the First Aid Measure (FAD) for skin contact of paint?</p>	(B)

			<p>(A) Use solvents or thinners to clean the skin</p> <p>(B) Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser</p> <p>(C) Use compressed air to clean the contamination</p> <p>(D) All of the options</p>	
501	13-02-2020	53	<p>Which is used as a primary surface Preparation method?</p> <p>(A) Hydro Blasting</p> <p>(B) Flame Cleaning</p> <p>(C) Abrasive Blasting</p> <p>(D) Power tool Cleaning</p>	(C)
501	13-02-2020	54	<p>Coating can be applied by</p> <p>(A) Roller</p> <p>(B) Brush</p> <p>(C) Airless Spray</p> <p>(D) All of the options</p>	(D)
501	13-02-2020	55	<p>Which is the method used for surface cleanliness?</p> <p>(A) Dust Test</p> <p>(B) Water Break Test</p> <p>(C) Air Test</p> <p>(D) None of the options</p>	(B)
501	13-02-2020	56	<p>How to select a right quantity of paint system?</p> <p>(A) Waviness of paint film</p> <p>(B) Size and shape of the surface</p>	(D)

			<p>(C) Surface roughness of the substrate</p> <p>(D) All of the options</p>	
501	13-02-2020	57	<p>What is/are the Common Spray Technique Error/s?</p> <p>(A) Pressure too high</p> <p>(B) Holding Down the Trigger too Long</p> <p>(C) Both Holding Down the Trigger too Long, and Pressure too high</p> <p>(D) None of the options</p>	(C)
501	13-02-2020	58	<p>Dehumidification is best described as a process to</p> <p>(A) lower air temperature to raise the relative humidity</p> <p>(B) reduce the moisture content in air to lower its dew point</p> <p>(C) raise air temperature to lower the RH</p> <p>(D) raise the substrate temperature to lower the dew point</p>	(B)
501	13-02-2020	59	<p>Two methods of dehumidification commonly used on coating projects are</p> <p>(A) Heat and refrigeration</p> <p>(B) Refrigeration and desiccation</p> <p>(C) Desiccation and heat</p> <p>(D) Adsorbent and absorbent desiccants</p>	(B)
501	13-02-2020	60	<p>If silica gel becomes contaminated it will</p> <p>(A) hold more moisture</p> <p>(B) lower the dew point</p>	(C)

			(C) no longer hold moisture (D) raise the substrate temperature	
501	13-02-2020	61	Which of the following may be used as desiccants? (A) Hydrogen Sulphide (B) Carbon dioxide (C) Carbon monoxide (D) Lithium chloride	(D)
501	13-02-2020	62	The air next to the steel substrate is called the (A) Substrate layer (B) interface layer (C) Boundary layer (D) topcoat layer	(C)
501	13-02-2020	63	Which of the following types of abrasive is most commonly used for centrifugal blasting of steel or concrete surfaces before coating? (A) Steel shot and steel grit (B) Synthetic abrasives (C) Silica (D) Agricultural	(A)
501	13-02-2020	64	Which of the following is NOT an advantage of centrifugal blast cleaning? (A) Few moving parts (B) Abrasive recycling (C) Blasting / Priming of work piece in an in-line	(A)

			operation (D) More economical than nozzle blast cleaning	
501	13-02-2020	65	Potassium Ferricyanide papers turn color in the presence of soluble iron salts. (A) Green (B) Blue (C) Black (D) White	(B)
501	13-02-2020	66	Draeger tubes are capable of measuring (A) Concentration levels of solvent vapor or gas (B) pH (C) Toxicity levels (D) LEL (Lower Explosive Limit)	(A)
501	13-02-2020	67	Polypropylene coatings are (A) Thermoset materials (B) thermoplastic materials (C) Resistant to high temperatures (D) two component solvent based materials	(B)
501	13-02-2020	68	Linings are not used to protect the substrate from (A) Corrosion (B) UV protection (C) Erosion (D) Abrasion	(B)

501	13-02-2020	69	<p>Concrete is good corrosion resistant coating that may be used on steel if</p> <p>(A) it is dense and well poured</p> <p>(B) honeycombed</p> <p>(C) scored to allow expansion</p> <p>(D) acid treated to prevent moisture transfer</p>	(A)
501	13-02-2020	70	<p>Coatings can be applied to wood to</p> <p>(A) separate the anode from the electrode</p> <p>(B) slow the flow of electrons</p> <p>(C) eliminate the metallic path</p> <p>(D) make it flame retardant</p>	(D)