

Subject Code : 203

Subject Code	Exam Date	Q Id	Questions	Answer Key
203	12-01-2020	281	<p>The Konkan Railway connects which of the following cities?</p> <p>(A) Kanyakumari – Mangalore</p> <p>(B) Kanyakumari – Mumbai</p> <p>(C) Goa – Mangalore</p> <p>(D) Roha – Mangalore</p>	(D)
203	12-01-2020	282	<p>The word “Agricultural shot” is known to be used sometimes in which among the following sports?</p> <p>(A) Cricket</p> <p>(B) Hockey</p> <p>(C) Golf</p> <p>(D) Polo</p>	(A)
203	12-01-2020	283	<p>Which Indian organisation has organized FinTech Conclave 2019</p> <p>(A) SEBI</p> <p>(B) Ministry of Finance</p> <p>(C) NITI Aayog</p> <p>(D) RBI</p>	(C)
203	12-01-2020	284	<p>Which of the following units is usually used to denote the intensity of pollution?</p> <p>(A) Milligrams</p> <p>(B) Nanograms</p>	(C)

			<p>(C) Parts per million</p> <p>(D) Kilogram</p>	
203	12-01-2020	285	<p>Name the anti- satellite missile test run by India on 27 March 2019 ?</p> <p>(A) Mission shaurya</p> <p>(B) Mission Cobra</p> <p>(C) Mission Prithivi</p> <p>(D) Mission Shakti</p>	(D)
203	12-01-2020	286	<p>Pick out the correct meaning of the underlined part of the sentence:-</p> <p>A movement for the world unity is <u>in the offing</u>.</p> <p>(A) at the end</p> <p>(B) about to start</p> <p>(C) on decline</p> <p>(D) in the air</p>	(B)
203	12-01-2020	287	<p>One word for "Keep your eyes peeled"</p> <p>(A) To watch carefully</p> <p>(B) Searching someone</p> <p>(C) Looking forward</p> <p>(D) Running away</p>	(A)
203	12-01-2020	288	<p>Choose the right meaning - "Souvenir"</p> <p>(A) A thing that is kept as a reminder of an event</p> <p>(B) A thing given as a prize</p>	(A)

			<p>(C) A thing which is related to quiz</p> <p>(D) A thing which is related to religious matters</p>	
203	12-01-2020	289	<p>Fill up the blanks:</p> <p>I want to meet the artisthas painted this picture.</p> <p>(A) Which</p> <p>(B) That</p> <p>(C) Who</p> <p>(D) Whom</p>	(C)
203	12-01-2020	290	<p>She said, "If you work hard, you will take good marks." Change to indirect speech.</p> <p>(A) My teacher advised if I work hard I could take good marks.</p> <p>(B) My teacher advises if you work hard you will take good marks.</p> <p>(C) My teacher advises if I work hard I will take good marks.</p> <p>(D) My teacher advised that I worked hard I would take good marks.</p>	(C)
203	12-01-2020	291	<p>In a garden, there are 10 rows and 12 columns of mango trees. The distance between the two trees is 2 metres and a distance of one metre is left from all sides of the boundary of the garden. The length of the garden is</p> <p>(A) 20M</p> <p>(B) 22M</p> <p>(C) 24M</p> <p>(D) 26M</p>	(C)

203	12-01-2020	292	<p>Look at this series: 22, 21, 23, 22, 24, 23, ... What number should come next?</p> <p>(A) 22</p> <p>(B) 24</p> <p>(C) 25</p> <p>(D) 26</p>	(C)
203	12-01-2020	293	<p>A & B are brothers. C & D are sisters. A's son is D's brother. How is B related to C.</p> <p>(A) Brother</p> <p>(B) Uncle</p> <p>(C) Cousin</p> <p>(D) Father</p>	(B)
203	12-01-2020	294	<p>The day before yesterday was Saturday. What day will it be the day after tomorrow?</p> <p>(A) Tuesday</p> <p>(B) Wednesday</p> <p>(C) Thursday</p> <p>(D) Friday</p>	(B)
203	12-01-2020	295	<p>Vincent has a paper route. Each morning, he delivers 37 newspapers to customers in his neighborhood. It takes Vincent 50 minutes to deliver all the papers. If Vincent is sick or has other plans, his friend Thomas, who lives on the same street, will sometimes deliver the papers for him.</p> <p>(A) Vincent and Thomas live in the same neighborhood.</p> <p>(B) It takes Thomas more than 50 minutes to deliver the papers.</p>	(A)

			<p>(C) It is dark outside when Vincent begins his deliveries.</p> <p>(D) Thomas would like to have his own paper route.</p>	
203	12-01-2020	296	<p>A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is?</p> <p>(A) $\frac{1}{4}$</p> <p>(B) $\frac{1}{10}$</p> <p>(C) $\frac{7}{15}$</p> <p>(D) $\frac{8}{15}$</p>	(D)
203	12-01-2020	297	<p>A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?</p> <p>(A) 3.6</p> <p>(B) 7.2</p> <p>(C) 8.4</p> <p>(D) 10</p>	(B)
203	12-01-2020	298	<p>A train 150 m long is running at 60 kmph. In how much time will it pass a platform 250 m long?</p> <p>(A) 22 sec</p> <p>(B) 20 sec</p> <p>(C) 25 sec</p> <p>(D) 24 sec</p>	(D)
203	12-01-2020	299	<p>In an examination 80% candidates passed in English and 85% candidates passed in Mathematics. If 73% candidates passed in both these subjects, then what percent of candidates failed in both the subjects?</p>	(B)

			<p>(A) 15%</p> <p>(B) 8%</p> <p>(C) 27%</p> <p>(D) 35%</p>	
203	12-01-2020	300	<p>The average temperature for Wednesday, Thursday and Friday is 40 °C. The average for Thursday, Friday and Saturday is 41 °C. If temperature on Saturday was 42 °C, what was the temperature on Wednesday?</p> <p>(A) 44 °C</p> <p>(B) 41 °C</p> <p>(C) 38 °C</p> <p>(D) 39 °C</p>	(D)
203	12-01-2020	301	<p>The total No of possible phase sequences for a three phase AC System is</p> <p>(A) 3</p> <p>(B) 2</p> <p>(C) 1</p> <p>(D) 4</p>	(B)
203	12-01-2020	302	<p>A Buchholz relay is used for</p> <p>(A) Protection of transformer against all internal faults</p> <p>(B) Protection of transformer against all external faults</p> <p>(C) Protection of transformer against both internal and external faults</p> <p>(D) Protection of induction motors</p>	(A)

203	12-01-2020	303	<p>The function of an inter sheath in cables is to</p> <p>(A) Distribute stress uniformly</p> <p>(B) Use inferior insulation</p> <p>(C) Decrease stress</p> <p>(D) Protect against moisture</p>	(D)
203	12-01-2020	304	<p>An ideal voltage source is one that</p> <p>(A) Has medium internal resistance</p> <p>(B) Has infinite internal resistance</p> <p>(C) Supplies constant power</p> <p>(D) Has zero internal resistance</p>	(D)
203	12-01-2020	305	<p>The purpose of commutator in a DC generator is</p> <p>(A) To increase the output voltage</p> <p>(B) Convert the induced AC into DC voltage</p> <p>(C) To get smoother output</p> <p>(D) To reduce sparking</p>	(B)
203	12-01-2020	306	<p>It is never advisable to connect a stationary alternator to a live bus bar because,</p> <p>(A) It is likely to run as synchronous motor</p> <p>(B) It will get short circuited</p> <p>(C) It will decrease bus-bar voltage though momentarily</p> <p>(D) It will disturb generated emfs of other alternators connected in parallel</p>	(B)
203	12-01-2020	307	<p>A vacuum cleaner employs</p>	(A)

			<p>(A) AC series motor</p> <p>(B) Shaded pole motor</p> <p>(C) Resistance split phase motor</p> <p>(D) Capacitor start motor</p>	
203	12-01-2020	308	<p>An alternator is said to be over excited when it is operating at</p> <p>(A) unity power factor</p> <p>(B) leading power factor</p> <p>(C) lagging power factor</p> <p>(D) lagging to leading power factor</p>	(C)
203	12-01-2020	309	<p>What is Verbal Communication?</p> <p>(A) Talking to someone</p> <p>(B) When someone is talking and someone else is listening</p> <p>(C) When more than one person is talking</p> <p>(D) All of the options</p>	(B)
203	12-01-2020	310	<p>Form factor for a sine wave is....</p> <p>(A) 1.414</p> <p>(B) 0.707</p> <p>(C) 1.11</p> <p>(D) 0.637</p>	(C)
203	12-01-2020	311	<p>Which of the following is not a part of transformer installation</p> <p>(A) Conservator</p> <p>(B) Breather</p>	(D)

			<p>(C) Buchholz relay</p> <p>(D) Exciter</p>	
203	12-01-2020	312	<p>Which of the following protects a cable against mechanical injury?</p> <p>(A) Bedding</p> <p>(B) Sheath</p> <p>(C) Armouring</p> <p>(D) None of the options</p>	(C)
203	12-01-2020	313	<p>Star-delta starting of motor is not possible in case of</p> <p>(A) single phase motors</p> <p>(B) variable speed motors</p> <p>(C) low horse power motors</p> <p>(D) high speed motors</p>	(A)
203	12-01-2020	314	<p>"C" in CPU denotes</p> <p>(A) Common</p> <p>(B) Central</p> <p>(C) Computer</p> <p>(D) Circuitry</p>	(B)
203	12-01-2020	315	<p>In fuel cell, the.....energy is converted into electrical energy.</p> <p>(A) mechanical</p> <p>(B) chemical</p> <p>(C) heat</p>	(B)

			(D) sound	
203	12-01-2020	316	<p>On finding a fire in a work place, a person's first action should be:</p> <p>(A) Fighting the fire</p> <p>(B) Leave the work station</p> <p>(C) Shut down the power supply</p> <p>(D) Raising an Alarm</p>	(D)
203	12-01-2020	317	<p>In power station practice "spinning reserve" is</p> <p>(A) reserve generating capacity that is in operation but not in service</p> <p>(B) reserve generating capacity that is connected to bus and ready to take the load</p> <p>(C) reserve generating capacity that is available for service but not in operation</p> <p>(D) capacity of the part of the plant that remains under maintenance</p>	(B)
203	12-01-2020	318	<p>A 100/5 CT is used in conjunction with a 5A ammeter. If the latter reads 3.5A, the line current will be</p> <p>(A) 350A</p> <p>(B) 175A</p> <p>(C) 120A</p> <p>(D) 70A</p>	(D)
203	12-01-2020	319	<p>The normal current in a power line is 100A. Suddenly, the line current become 150A. One can expect</p> <p>(A) Open Circuit Fault</p> <p>(B) Short Circuit Fault</p>	(C)

			<p>(C) Overloaded condition</p> <p>(D) None of the options</p>	
203	12-01-2020	320	<p>For a 3-phase ,4-pole,50hz synchronous motor the frequency,pole number and the load torque are all halved. The motor speed will be</p> <p>(A) 375 rpm</p> <p>(B) 75 rpm</p> <p>(C) 1500 rpm</p> <p>(D) 300 rpm</p>	(C)
203	12-01-2020	321	<p>The PF of an inductor is</p> <p>(A) Unity</p> <p>(B) Zero</p> <p>(C) Lagging</p> <p>(D) Leading</p>	(C)
203	12-01-2020	322	<p>What does HTTP stands for?</p> <p>(A) Head Tail Transfer Protocol</p> <p>(B) Hypertext Transfer Protocol</p> <p>(C) Hypertext Transfer Plotter</p> <p>(D) Hypertext Transfer Plot</p>	(B)
203	12-01-2020	323	<p>Potentiometer is basically</p> <p>(A) Deflection type instrument</p> <p>(B) Null type Instrument</p> <p>(C) Deflection as well as null type Instrument</p> <p>(D) Digital Instrument</p>	(B)

203	12-01-2020	324	<p>Conductor experiences skin effect in -----</p> <p>(A) DC Transmission line</p> <p>(B) AC Transmission line</p> <p>(C) Both AC & DC Transmission line</p> <p>(D) HVDC Transmission line</p>	(B)
203	12-01-2020	325	<p>Thin Laminations are used in a Machine inorder to reduce</p> <p>(A) Eddy Current Losses</p> <p>(B) Hysteresis Losses</p> <p>(C) Copper Losses</p> <p>(D) Both Eddy Current Losses & Hysteresis Losses</p>	(A)
203	12-01-2020	326	<p>Efficiency of a transformer is maximum at</p> <p>(A) Leading power factor</p> <p>(B) Lagging power factor</p> <p>(C) Unity power factor</p> <p>(D) None of the options</p>	(C)
203	12-01-2020	327	<p>Responsibility always flows from</p> <p>(A) Superior to subordinate</p> <p>(B) Subordinate to superior</p> <p>(C) Both superior to subordinate & subordinate to superior</p> <p>(D) None of the options</p>	(B)
203	12-01-2020	328	<p>The resistance of a parallel circuit consisting of two branches is 12 ohm. If the resistance of one branch is 18 ohm, what is the resistance</p>	(B)

			<p>of the other?</p> <p>(A) 18 ohm</p> <p>(B) 36 ohm</p> <p>(C) 48 ohm</p> <p>(D) 64 ohm</p>	
203	12-01-2020	329	<p>What is the purpose of a toolbox meeting?</p> <p>(A) To inform employees who is responsible for safety at a project</p> <p>(B) To provide an opportunity for employees to discuss a subject that they consider important</p> <p>(C) To achieve safe actions and safe behaviour</p> <p>(D) None of the options</p>	(C)
203	12-01-2020	330	<p>The Q-meter works on the principle of</p> <p>(A) Mutual Inductance</p> <p>(B) Self-Inductance</p> <p>(C) Series resonance</p> <p>(D) Parallel resonance</p>	(C)
203	12-01-2020	331	<p>Which of the following does not cause permanent damage of an SCR</p> <p>(A) High Current</p> <p>(B) High rate of rise of voltage</p> <p>(C) High rate of rise of current</p> <p>(D) High temperature rise</p>	(A)
203	12-01-2020	332	Identify the correct statement	(C)

			<p>(A) XOR is a basic gate</p> <p>(B) XNOR is a basic gate</p> <p>(C) XOR is a derived gate</p> <p>(D) XOR is a universal gate</p>	
203	12-01-2020	333	<p>In induction motors, the length of air gap is kept as small as mechanically possible for</p> <p>(A) low PF</p> <p>(B) high PF</p> <p>(C) high over load capacity</p> <p>(D) All of the options</p>	(B)
203	12-01-2020	334	<p>A thermal protection switch can protect against</p> <p>(A) short-circuit</p> <p>(B) temperature</p> <p>(C) overloads</p> <p>(D) over voltage</p>	(C)
203	12-01-2020	335	<p>Which of the following is NOT an internal motivational force</p> <p>(A) Goals</p> <p>(B) Needs</p> <p>(C) Attitudes</p> <p>(D) Feedback</p>	(D)
203	12-01-2020	336	<p>What is the first step of QA?</p> <p>(A) Development of standards</p>	(B)

			<p>(B) Identification of customer need</p> <p>(C) Servicing</p> <p>(D) Material control</p>	
203	12-01-2020	337	<p>In case the air gap in an induction motor is increased</p> <p>(A) the magnetising current of the rotor will decrease</p> <p>(B) the power factor will decrease</p> <p>(C) speed of motor will increase</p> <p>(D) the wind age losses will increase</p>	(B)
203	12-01-2020	338	<p>Rhonda is the supervisor of the parts department at a car dealership. Among her responsibilities are: scheduling who is supposed to work; when her subordinates are to work; who should do the ordering; and who should help her with counting the inventory. These responsibilities are examples of what type of management function?</p> <p>(A) Leading</p> <p>(B) Controlling</p> <p>(C) Organizing</p> <p>(D) Planning</p>	(C)
203	12-01-2020	339	<p>Arc blast is caused by:</p> <p>(A) Poor contact within electrical wire splices</p> <p>(B) Radio frequency emissions from high-power transmitters</p> <p>(C) Discharge of high electrical current through open air</p> <p>(D) Ionization of gases near high-voltage electrical conductors</p>	(C)

203	12-01-2020	340	<p>What is the preferred type of circuit breaker(CB) to be installed in extra high voltage AC system?</p> <p>(A) Bulk oil type CB</p> <p>(B) Air blast CB</p> <p>(C) Vacuum CB</p> <p>(D) Sulphur hexafluoride CB</p>	(D)
203	12-01-2020	341	<p>The sequence of induction motor is RYB, then the direction of induction motor can be changed by which of the following sequence?</p> <p>(A) BYR</p> <p>(B) RBY</p> <p>(C) BRY</p> <p>(D) All of the options</p>	Question Withdrawn
203	12-01-2020	342	<p>While setting Quality objective, _____ to be considered</p> <p>(A) Customer need</p> <p>(B) Organizational need</p> <p>(C) Supplier need</p> <p>(D) Worker need</p>	(A)
203	12-01-2020	343	<p>The basic purpose of filter is to</p> <p>(A) minimize variations in a.c. input signal</p> <p>(B) suppress harmonics in rectified output</p> <p>(C) remove ripples from rectifier output</p> <p>(D) stabilize d.c. output voltage</p>	(C)
203	12-01-2020	344	<p>The brushes of electrical machines are made</p>	(A)

			<p>of</p> <p>(A) Carbon</p> <p>(B) Copper</p> <p>(C) Cast Iron</p> <p>(D) Steel</p>	
203	12-01-2020	345	<p>..... needs to be complete for an effective communication.</p> <p>(A) The documentation</p> <p>(B) The task that was asked of the person</p> <p>(C) Both the sending and receiving of the message</p> <p>(D) An agreement</p>	(C)
203	12-01-2020	346	<p>NFPA 70 is also known as</p> <p>(A) OSHA</p> <p>(B) BIS</p> <p>(C) National Electrical Codes</p> <p>(D) ISO</p>	(C)
203	12-01-2020	347	<p>What is the Indian Standard Specification for Insulating Mats for Electrical Purposes?</p> <p>(A) IS 15652</p> <p>(B) IS 15666</p> <p>(C) IS 15656</p> <p>(D) IS 15644</p>	(A)
203	12-01-2020	348	<p>The number of slip rings on a squirrel cage induction motor is usually</p>	(D)

			<p>(A) two</p> <p>(B) three</p> <p>(C) four</p> <p>(D) None of the options</p>	
203	12-01-2020	349	<p>In an office, an employee communicates horizontally with his _____</p> <p>(A) Superiors</p> <p>(B) Subordinates</p> <p>(C) Colleagues</p> <p>(D) Assistant</p>	(C)
203	12-01-2020	350	<p>The very first thing you should do if you are the first to witness or discover an accident on the job site is to:</p> <p>(A) Go find at least one co-worker to help you so you can work as a team</p> <p>(B) Go to the scene and help the person(s) injured</p> <p>(C) Contact your supervisor to report the incident</p> <p>(D) Activate the emergency response system</p>	(D)