

Subject Code : 203

Subject Code	Exam Date	Q Id	Questions	Answer Key
203	10-02-2020	141	Who is the author of Hamlet? (A) William Shakespeare (B) Christopher Marlowe (C) Edith Wharton (D) Geoffrey Chaucer	(A)
203	10-02-2020	142	Which of the books is written by Kapil Dev? (A) Cricket-Favourite Game (B) Twenty Years at the top (C) One day Wonders (D) Cricket - My Style	(D)
203	10-02-2020	143	Another name of Sahyadris? (A) Western Ghats (B) Himadri (C) Aravali (D) Northern Ghats	(A)
203	10-02-2020	144	Birju Maharaj is a well known exponent of (A) Kadhakali (B) Manipuri dance (C) Odissi dance (D) Kathak	(D)

203	10-02-2020	145	Jim Corbett National Park is situated in (A) Andhra Pradesh (B) Odisha (C) Uttarakhand (D) Maharashtra	(C)
203	10-02-2020	146	Select the synonym of the given word. "ACCORD" (A) Confer (B) Refusal (C) Dissension (D) Opposition	(A)
203	10-02-2020	147	Fill in the blanks with appropriate article. "One of the students said ,-----professor is late today". (A) a (B) an (C) the (D) no article required	(C)
203	10-02-2020	148	Which word appears last in the dictionary? (A) Laugh (B) Latch (C) Laurels (D) Latitude	(C)
203	10-02-2020	149	"An office without salary" means	(A)

			<p>(A) Honorary</p> <p>(B) Slavish</p> <p>(C) Sinecure</p> <p>(D) Voluntary</p>	
203	10-02-2020	150	<p>Select the related word from the alternative and fill in the blanks.</p> <p>Flexible: Rigid:: Confidence:.....</p> <p>(A) Scepticism</p> <p>(B) Indifference</p> <p>(C) Cowardice</p> <p>(D) Scare</p>	(A)
203	10-02-2020	151	<p>It was a Tuesday on 1st April. What day was it on 28th June of the same year ?</p> <p>(A) Thursday</p> <p>(B) Saturday</p> <p>(C) Sunday</p> <p>(D) Wednesday</p>	(B)
203	10-02-2020	152	<p>Find the missing one.</p> <p>AC : BD :: JL : ?</p> <p>(A) KN</p> <p>(B) LM</p> <p>(C) KM</p> <p>(D) KL</p>	(C)
203	10-02-2020	153	<p>Three of the following are alike and hence form a group. Which of the following does not belong</p>	(B)

			<p>to the group?</p> <p>(A) Talking</p> <p>(B) Blinking</p> <p>(C) Eating</p> <p>(D) Writing</p>	
203	10-02-2020	154	<p>Find the missing series.</p> <p>13, 21, 48, 112, ?</p> <p>(A) 237</p> <p>(B) 280</p> <p>(C) 255</p> <p>(D) 290</p>	(A)
203	10-02-2020	155	<p>A, B, C, D, E and F are six members of a family. One couple has parents and their children in the family. A is the son of C and E is the daughter of A. D is the daughter of F who is the mother of E. Which of the following pair are the parents of the couple?</p> <p>(A) CF</p> <p>(B) AB</p> <p>(C) BC</p> <p>(D) AF</p>	(C)
203	10-02-2020	156	<p>In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was :</p> <p>(A) 2500</p> <p>(B) 3100</p>	(D)

			(C) 2900 (D) 2700	
203	10-02-2020	157	12 men can complete a work in 8 days. 16 women can complete the same work in 12 days. 8 men and 8 women started working and worked for 6 days. How many more men are to be added to complete the remaining work in 1 day? (A) 8 (B) 12 (C) 16 (D) 24	(B)
203	10-02-2020	158	The sum of the present ages of a father and his son is 60 years. Five years ago, father's age was four times the age of the son. So now the son's age will be: (A) 5 (B) 10 (C) 15 (D) 20	(C)
203	10-02-2020	159	A tailor has 37.5 metres of cloth and he has to make 8 pieces out of a metre of cloth. How many pieces can he make out of this cloth ? (A) 300 (B) 360 (C) 400 (D) 450	(A)
203	10-02-2020	160	A number when divided successively by 4 and 5 leaves the remainder 1 and 4 respectively. When it is successively divided by 5 and 4 the	(C)

			<p>respective remainders will be:</p> <p>(A) 4,1</p> <p>(B) 3,2</p> <p>(C) 2,3</p> <p>(D) 1,2</p>	
203	10-02-2020	161	<p>Which of the following is true for a capacitor?</p> <p>(A) A capacitor acts like a short to instantaneous changes in current.</p> <p>(B) A capacitor's voltage cannot change instantaneously.</p> <p>(C) A capacitor acts like an open to dc.</p> <p>(D) All of the options</p>	(D)
203	10-02-2020	162	<p>The unit of flux density is known as</p> <p>(A) magnetomotive force</p> <p>(B) a weber</p> <p>(C) a maxwell</p> <p>(D) a tesla</p>	(D)
203	10-02-2020	163	<p>Actual execution of instructions in a computer takes place in</p> <p>(A) ALU</p> <p>(B) Control Unit</p> <p>(C) Storage unit</p> <p>(D) None of the options</p>	(A)
203	10-02-2020	164	<p>AIS is an acronym for</p> <p>(A) Aviation identity system</p>	(C)

			<p>(B) Auto identity system</p> <p>(C) Automatic identification system</p> <p>(D) All identification system</p>	
203	10-02-2020	165	<p>Push pull amplifier is</p> <p>(A) voltage amplifier</p> <p>(B) current amplifier</p> <p>(C) power amplifier</p> <p>(D) None of the options</p>	(C)
203	10-02-2020	166	<p>In radar systems PRF stands for</p> <p>(A) Power Return Factor</p> <p>(B) Pulse Return Factor</p> <p>(C) Pulse Repetition Frequency</p> <p>(D) Pulse Response Factor</p>	(C)
203	10-02-2020	167	<p>The different access methods which permit many satellite users to operate in parallel through a single transponder without interfering with each other is/are</p> <p>(A) Frequency Division Multiple Access (FDMA)</p> <p>(B) Time Division Multiple Access (TDMA)</p> <p>(C) Code Division Multiple Access (CDMA)</p> <p>(D) All of the options</p>	(D)
203	10-02-2020	168	<p>A direct current can be measured</p> <p>(A) directly by dc potentiometer</p> <p>(B) by dc potentiometer in conjunction with a</p>	(B)

			standard resistance (C) by dc potentiometer in conjunction with volt ratio box (D) None of the options	
203	10-02-2020	169	A linear displacement digital transducer generally uses (A) straight binary code (B) BCD (C) gray code (D) hexadecimal code	(C)
203	10-02-2020	170	The electrical power to a megger is provided by (A) battery (B) inverter (C) permanent magnet dc generator (D) ac generator	(C)
203	10-02-2020	171	An ohmmeter is a (A) moving coil instrument (B) moving iron instrument (C) dynamometer instrument (D) induction instrument	(A)
203	10-02-2020	172	LVDT is used to measure (A) displacement (B) pressure (C) temperature	(A)

			(D) Any of the options	
203	10-02-2020	173	<p>The coding system generally used in digital telemetry is</p> <p>(A) PPM (Pulse position modulation)</p> <p>(B) PAM (Pulse amplitude modulation)</p> <p>(C) PCM (Pulse code modulation)</p> <p>(D) PDM (Pulse duration modulation)</p>	(C)
203	10-02-2020	174	<p>The overload release protects the motor against</p> <p>(A) Over voltage</p> <p>(B) Over current</p> <p>(C) Over load</p> <p>(D) All of the options</p>	(A)
203	10-02-2020	175	<p>The isometric projection of a circle is a</p> <p>(A) Circle</p> <p>(B) Ellipse</p> <p>(C) Hyperbola</p> <p>(D) Parabola</p>	(B)
203	10-02-2020	176	<p>Instrument used for measuring speed in ship</p> <p>(A) radar</p> <p>(B) log</p> <p>(C) ais</p> <p>(D) uwt</p>	(B)
203	10-02-2020	177	<p>If conductance increases as temperature increases, this is known as a:</p>	(C)

			<p>(A) positive coefficient</p> <p>(B) negative current flow</p> <p>(C) negative coefficient</p> <p>(D) positive resistance</p>	
203	10-02-2020	178	<p>Which is a technology that allows telephone calls to be made over computer networks like the Internet.</p> <p>(A) VoIP</p> <p>(B) GSM</p> <p>(C) Modem</p> <p>(D) CDMA</p>	(A)
203	10-02-2020	179	<p>A wire of resistance R has its length and cross section both doubled. Its resistance will become</p> <p>(A) 4 R</p> <p>(B) 2 R</p> <p>(C) R</p> <p>(D) R / 4</p>	(B)
203	10-02-2020	180	<p>The final stage of a multistage amplifier uses</p> <p>(A) RC coupling</p> <p>(B) Transformer coupling</p> <p>(C) Direct coupling</p> <p>(D) Impedance coupling</p>	(B)
203	10-02-2020	181	<p>Scale used with moving coil meter is</p> <p>(A) a linear one</p>	(A)

			<p>(B) a non-linear one</p> <p>(C) a square law scale</p> <p>(D) None of the options</p>	
203	10-02-2020	182	<p>Air friction damping is used in the instrument which is</p> <p>(A) Moving Iron instrument</p> <p>(B) Moving Coil instrument</p> <p>(C) Induction instrument</p> <p>(D) Hot wire instrument</p>	(A)
203	10-02-2020	183	<p>The reverse current in a diode is of the order of</p> <p>(A) kA</p> <p>(B) mA</p> <p>(C) μA</p> <p>(D) A</p>	(C)
203	10-02-2020	184	<p>For increasing the range of an ammeter, connect:</p> <p>(A) A high value resistance in series with the ammeter coil</p> <p>(B) A high value resistance in parallel with the ammeter coil</p> <p>(C) A low value resistance in series with the ammeter coil</p> <p>(D) A low value resistance in parallel with the ammeter coil</p>	(D)
203	10-02-2020	185	<p>What is the color code for a 220 Ω 5% resistor?</p> <p>(A) Red, Red, Brown, Gold</p> <p>(B) Orange, Orange, Black, Gold</p>	(A)

			<p>(C) Red, Red, Black, Gold</p> <p>(D) Red, Red, Brown, Silver</p>	
203	10-02-2020	186	<p>What happens to total resistance in a circuit with parallel resistors if one of them opens?</p> <p>(A) It increases.</p> <p>(B) It halves.</p> <p>(C) It remains the same.</p> <p>(D) It decreases.</p>	(A)
203	10-02-2020	187	<p>A woofer should be fed from the input through a</p> <p>(A) low pass filter</p> <p>(B) high pass filter</p> <p>(C) band pass filter</p> <p>(D) band stop filter</p>	(A)
203	10-02-2020	188	<p>Demodulation is done in</p> <p>(A) Receiving Antenna</p> <p>(B) Transmitter</p> <p>(C) Radio Receiver</p> <p>(D) Transmitting Antenna</p>	(C)
203	10-02-2020	189	<p>There are two bulbs, Bulb A and B connected in series and if Bulb A blows out, what happens to bulb B?</p> <p>(A) The bulb B continues to glow with same brightness</p> <p>(B) The bulb B stops glowing</p> <p>(C) The bulb B glows with increased brightness</p>	(B)

			(D) The bulb B also burns out	
203	10-02-2020	190	<p>In setting a digital Energymeter what are the two basic parameters that we feed?</p> <p>(A) Power,Current</p> <p>(B) Voltage,current</p> <p>(C) Power,Power factor</p> <p>(D) Power,voltage</p>	(B)
203	10-02-2020	191	<p>An OR gate has 4 inputs. One input is high and the other three are low. The output</p> <p>(A) is low</p> <p>(B) is high</p> <p>(C) is alternately high and low</p> <p>(D) may be high or low depending on relative magnitude of inputs</p>	(B)
203	10-02-2020	192	<p>In which of the following Flip Flop output follows input</p> <p>(A) J K Flip Flop</p> <p>(B) S R Flip Flop</p> <p>(C) D Flip Flop</p> <p>(D) None of the options</p>	(C)
203	10-02-2020	193	<p>Direction flag (in a microprocessor) is used with</p> <p>(A) String instructions</p> <p>(B) Stack instructions</p> <p>(C) Arithmetic instructions</p> <p>(D) Branch instructions</p>	(A)

203	10-02-2020	194	8251 is a (A) UART (B) USART (C) Programmable interrupt controller (D) Programmable interval timer / counter	(B)
203	10-02-2020	195	Acronym for DCS (A) Detachable control system (B) Direct Control Solution (C) Distribution Control System (D) Disrupted control system	(C)
203	10-02-2020	196	The fastest switching logic family is (A) CMOS (B) TTL (C) DTL (D) ECL	(D)
203	10-02-2020	197	When an amplifier is provided with current series feedback ,its (A) input impedance increases and output impedance decreases (B) input impedance decreases and output impedance increases (C) input and output impedance decreases (D) input and output impedance increases	(D)
203	10-02-2020	198	Transistor is a (A) Current controlled current device	(A)

			(B) Current controlled voltage device (C) Voltage controlled current device (D) Voltage controlled voltage device	
203	10-02-2020	199	The logic gate which detects equality of two bits is (A) EX-OR (B) EX-NOR (C) NOR (D) NAND	(B)
203	10-02-2020	200	Principally CRO is a (A) Ammeter (B) Voltmeter (C) Wattmeter (D) Watt-Hour meter	(B)
203	10-02-2020	201	What is the frequency range of C-Band (A) 8.5 to 12.5 GHz (B) 3.4 to 6.425 GHz (C) 12.95 to 14.95 GHz (D) 27.5 to 31 GHz	(B)
203	10-02-2020	202	To send sound waves to far off areas, they are converted to (A) radio waves (B) frequency (C) microwaves	(D)

			(D) electromagnetic waves	
203	10-02-2020	203	<p>To measure a very high resistance, we should use</p> <p>(A) Kelvin's double bridge</p> <p>(B) Wheat stone bridge</p> <p>(C) Meggar</p> <p>(D) None of the options</p>	(C)
203	10-02-2020	204	<p>A device prevents the oscillation of the moving system and enables the latter to reach its final position quickly.</p> <p>(A) deflecting</p> <p>(B) controlling</p> <p>(C) damping</p> <p>(D) All of the options</p>	(C)
203	10-02-2020	205	<p>Which equipment is used to avoid corrosion of ship's hull?</p> <p>(A) ADCP</p> <p>(B) ICCP</p> <p>(C) SONAR</p> <p>(D) MAR</p>	(B)
203	10-02-2020	206	<p>An echo - sounder transmits to the water.</p> <p>(A) Electromagnetic waves</p> <p>(B) Radio waves</p> <p>(C) Laser waves</p>	(D)

			(D) Ultrasonic waves	
203	10-02-2020	207	To control the speed of an induction motor we use (A) DC drives (B) DOL starter (C) Star delta starter (D) AC Drive	(D)
203	10-02-2020	208	Digital stop watches have least count upto (A) 0.1 seconds (B) 0.01 seconds (C) 0.5 seconds (D) 0.9 seconds	(B)
203	10-02-2020	209	Bandwidth gives an indication of (A) Characteristic equation of the system (B) Speed of response of a control system (C) Transfer function of the control system (D) Transients in the system	(B)
203	10-02-2020	210	The error between the mean of finite data set and mean of infinite data set is known as (A) True error of the mean (B) Standard error of the mean (C) Finite error (D) Infinite error	(B)