

Subject Code : 103 ▼

Subject Code	Exam Date	Q Id	Questions	Answer Key
103	19-10-2019	201	<p>Who is the current Chairman of ISRO?</p> <p>(A) Satish Dhawan</p> <p>(B) G. Madhavan Nair</p> <p>(C) K. Sivan</p> <p>(D) Prof. U R Rao</p>	(C)
103	19-10-2019	202	<p>The film personality who has been awarded the DadaSaheb Phalke award for 2019 is</p> <p>(A) Kamal Haasan</p> <p>(B) Rajesh Khanna</p> <p>(C) Satyajith Ray</p> <p>(D) Amitabh Bachchan</p>	(D)
103	19-10-2019	203	<p>The study of ancient societies is called</p> <p>(A) Archaeology</p> <p>(B) Ethnology</p> <p>(C) Anthropology</p> <p>(D) History</p>	(A)
103	19-10-2019	204	<p>Which among following countries is without income tax ?</p> <p>(A) Nepal</p> <p>(B) Kuwait</p> <p>(C) Burma</p> <p>(D) Singapore</p>	(B)
103	19-10-2019	205	<p>Which article in Indian constitution had given special</p>	(B)

			<p>status for the state of Jammu and Kashmir in terms of autonomy and its ability to formulate laws for the state's permanent residents?</p> <p>(A) article 344</p> <p>(B) article 370</p> <p>(C) article 345</p> <p>(D) article 369</p>	
103	19-10-2019	206	<p>What is the tag-line of 'Swachh Bharat Abhiyan'?</p> <p>(A) Sabka Kadam Swachhata Ki Aur</p> <p>(B) Har ek kadam Swachhata Ki Aur</p> <p>(C) Ek Kadam Swachhata Ki Aur</p> <p>(D) None of the options</p>	(C)
103	19-10-2019	207	<p>What is the full form of "RADAR"</p> <p>(A) Radio Device and Ranging</p> <p>(B) Region Device and Ranging</p> <p>(C) Radio Detection and Ranging</p> <p>(D) Radiation Detecting and Recording</p>	(C)
103	19-10-2019	208	<p>India's 1st e- waste clinic shall be set up in</p> <p>(A) Noida</p> <p>(B) Pune</p> <p>(C) Bhopal</p> <p>(D) Gurugram</p>	(C)
103	19-10-2019	209	<p>Who won the Global Goal Keeper award 2019, an award by Bill and Melinda Gates Foundation?</p> <p>(A) Donald Trump</p> <p>(B) Narendra Modi</p> <p>(C) Angela Merkel</p>	(B)

			(D) Vladimir Putin	
103	19-10-2019	210	<p>Which of the following chemicals is useful in photography?</p> <p>(A) Aluminium hydroxide</p> <p>(B) Silver bromide</p> <p>(C) Potassium nitrate</p> <p>(D) Sodium chloride</p>	(B)
103	19-10-2019	211	<p>Arrange in proper sequence to form a meaningful sentence</p> <p>I have enclosed [P]: and the postage [Q]: a postal order [R]: the price of books [S] which will cover</p> <p>(A) RPSQ</p> <p>(B) QSRP</p> <p>(C) QSPR</p> <p>(D) QPSR</p>	(B)
103	19-10-2019	212	<p>Choose the antonym of the word "AHEAD"</p> <p>(A) Beneath</p> <p>(B) Behind</p> <p>(C) Against</p> <p>(D) Backward</p>	(B)
103	19-10-2019	213	<p>Find out whether there is any Grammatical error in below sentence. If yes, that part of the sentence shall be indicated as the answer among the given options:</p> <p>I could not put up in the hotel / because the boarding and lodging charges / were exorbitant</p> <p>(A) I could not put up in the hotel</p>	(A)

			<p>(B) because the boarding and lodging charges</p> <p>(C) were exorbitant</p> <p>(D) No error</p>	
103	19-10-2019	214	<p>Fill up with the correct preposition:</p> <p>The boy was cured typhoid</p> <p>(A) from</p> <p>(B) of</p> <p>(C) for</p> <p>(D) through</p>	(B)
103	19-10-2019	215	<p>Choose the correct indirect speech of the following</p> <p>'Reduce speed now' -, said notice</p> <p>(A) A notice said to reduce speed</p> <p>(B) A notice asked the motorists to reduce speed at once</p> <p>(C) A notice warned the motorists against speed then</p> <p>(D) A notice ordered reducing speed</p>	(B)
103	19-10-2019	216	<p>What is the correct meaning of the underlined phrase in the following sentence:</p> <p>I met him after a long time, but he gave me <u>the cold shoulder</u>.</p> <p>(A) scolded me</p> <p>(B) insulted me</p> <p>(C) abused me</p> <p>(D) ignored me</p>	(D)
103	19-10-2019	217	<p>Synonym of Flabbergasted</p> <p>(A) intense surprise</p>	(A)

			<p>(B) bored</p> <p>(C) impassive</p> <p>(D) unimpressed</p>	
103	19-10-2019	218	<p>Select the correct sentence</p> <p>(A) He put out his coat</p> <p>(B) He put in his coat</p> <p>(C) He put at his coat</p> <p>(D) He put on his coat</p>	(D)
103	19-10-2019	219	<p>Choose the option that completed the sentence most meaningfully and appropriately:</p> <p>The e-commerce market has grown exponentially and evolved as a leading source of the much needed foreign _____ required by our country.</p> <p>(A) institution</p> <p>(B) affair</p> <p>(C) investment</p> <p>(D) tourist</p>	(C)
103	19-10-2019	220	<p>Choose the correct alternative which can be substituted for the below given word/ sentence:</p> <p>'The person who knows everything'</p> <p>(A) Omnipresent</p> <p>(B) Omnipotent</p> <p>(C) Omniscient</p> <p>(D) Oblivious</p>	(C)
103	19-10-2019	221	<p>PxQ means P is the sister of Q P+Q means P is the father of Q P-Q means P is the mother of Q If SxM+T, then what is S to T</p>	(B)

			<p>(A) uncle</p> <p>(B) aunt</p> <p>(C) nephew</p> <p>(D) sister</p>	
103	19-10-2019	222	<p>In a queue, Ramesh is 13th from one end and 19th from the other end, then how many boys are there in the queue?</p> <p>(A) 29</p> <p>(B) 30</p> <p>(C) 31</p> <p>(D) 32</p>	(C)
103	19-10-2019	223	<p>If every second Saturday and all Sundays are holidays in a 30 days month beginning on Saturday, then how many working days are there in that month?</p> <p>(A) 15</p> <p>(B) 18</p> <p>(C) 23</p> <p>(D) 25</p>	(C)
103	19-10-2019	224	<p>A party consists of grandmother, father, mother, four sons and their wives and one son and two daughters to each of the sons. How many females are there in all?</p> <p>(A) 14</p> <p>(B) 17</p> <p>(C) 16</p> <p>(D) 24</p>	(A)
103	19-10-2019	225	<p>If alphabet series is given in backward or reverse order, then find out the eighth letter to the right of O?</p> <p>(A) G</p>	(A)

			<p>(B) H</p> <p>(C) U</p> <p>(D) X</p>	
103	19-10-2019	226	<p>Find the missing number in the series</p> <p>5, 25, 7, _____, 9, 19</p> <p>(A) 23</p> <p>(B) 25</p> <p>(C) 22</p> <p>(D) 32</p>	(C)
103	19-10-2019	227	<p>In a certain code, SOBER is written as RNADQ. How LOTUS can be written in that code?</p> <p>(A) KNSTR</p> <p>(B) MPUWT</p> <p>(C) KMSTR</p> <p>(D) LMRST</p>	(A)
103	19-10-2019	228	<p>Namita walks 14 metres towards west, then turns to her right and walks 14 metres and then turns to her left and walks 10 metres. Again turning to her left she walks 14 metres. What is the shortest distance between her starting point and the present position?</p> <p>(A) 10</p> <p>(B) 24</p> <p>(C) 28</p> <p>(D) 38</p>	(B)
103	19-10-2019	229	<p>Window is to pane as book is to</p> <p>(A) Novel</p> <p>(B) Glass</p>	(D)

			(C) Cover (D) Page	
103	19-10-2019	230	Fill in the series: SCD, TEF, UGH, _____, WKL (A) CMN (B) UJI (C) VIJ (D) IJT	(C)
103	19-10-2019	231	A towel, when bleached, lost 20% of its length and 10% of its breadth. What is the percentage decrease in area? (A) 30% (B) 28% (C) 32% (D) 26%	(B)
103	19-10-2019	232	Walking at the rate of 4 kmph a man cover certain distance in 2 hr 45 min. Running at a speed of 16.5 kmph the man will cover the same distance in (A) 12 Min (B) 25 Min (C) 40 Min (D) 60 Min	(C)
103	19-10-2019	233	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 (A) 2500 (B) 2700	(B)

			(C) 2900 (D) 3100	
103	19-10-2019	234	15 members can complete a work in 12 days. How many more members are needed to complete this work in 9 days? (A) 18 (B) 3 (C) 5 (D) 20	(C)
103	19-10-2019	235	What principle will amount to INR 570 at 4% per annum simple interest in 3.5 years? (A) 450 (B) 475 (C) 500 (D) 320	(C)
103	19-10-2019	236	Which of the following number should be added to the number 11158 to make it exactly divisible by 77? (A) 9 (B) 8 (C) 6 (D) 7	(D)
103	19-10-2019	237	The breadth of a rectangular plot is one third of its length. If the perimeter of the plot is 240 metres, what is the length of the plot? (A) 80 (B) 240 (C) 160 (D) 90	(D)

103	19-10-2019	238	Two numbers are in the ratio 2 : 3. If their L.C.M. is 48. what is sum of the numbers? (A) 28 (B) 40 (C) 64 (D) 42	(B)
103	19-10-2019	239	In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs? (A) 6.25 (B) 5.5 (C) 7.4 (D) 5	(A)
103	19-10-2019	240	Ramesh's age after 15 years will be 5 times his age 5 years back. What is the current age of Ramesh? (A) 15 (B) 14 (C) 10 (D) 7	(C)
103	19-10-2019	241	Three 4 ohm resistors are connected to form a triangle. What is the resistance between any two of the corners? (A) $\frac{8}{3}$ (B) 2 (C) 12 (D) 8	(A)
103	19-10-2019	242	A wire of resistance R has its length and cross-section both doubled. Its resistance will become (A) 4 R	(B)

			<p>(B) 2 R</p> <p>(C) R</p> <p>(D) R / 4</p>	
103	19-10-2019	243	<p>One kilowatt hour of electrical energy is the same as</p> <p>(A) 36×10^5 watts</p> <p>(B) 36×10^5 ergs</p> <p>(C) 36×10^5 joules</p> <p>(D) 36×10^5 B.T.U.</p>	(C)
103	19-10-2019	244	<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)
103	19-10-2019	245	<p>1's complement of 11100110 is</p> <p>(A) 00011001</p> <p>(B) 10000001</p> <p>(C) 00011010</p> <p>(D) 00000000</p>	(A)
103	19-10-2019	246	<p>The inverter in an air conditioner is used to control</p> <p>(A) Backup power</p> <p>(B) Speed of fan</p> <p>(C) speed of louver</p> <p>(D) speed of compressor</p>	(D)
103	19-10-2019	247	<p>_____ is a technology that allows telephone calls to be made over computer networks like the Internet.</p>	(A)

			<p>(A) VoIP</p> <p>(B) GSM</p> <p>(C) Modem</p> <p>(D) CDMA</p>	
103	19-10-2019	248	<p>At room temperature, the current in an intrinsic semiconductor is due to</p> <p>(A) holes</p> <p>(B) electrons</p> <p>(C) ions</p> <p>(D) holes and electrons</p>	(D)
103	19-10-2019	249	<p>Speedometer used for measurement of speed of an automobile is</p> <p>(A) an absolute instrument</p> <p>(B) an indicating instrument</p> <p>(C) a recording instrument</p> <p>(D) a controlling instrument</p>	(B)
103	19-10-2019	250	<p>The function of a shunt in an ammeter is to</p> <p>(A) bypass the current</p> <p>(B) increase the meters resistance</p> <p>(C) decrease the voltage drop</p> <p>(D) increase the current in the coil</p>	(A)
103	19-10-2019	251	<p>The input resistance of JFET is in the order of</p> <p>(A) 1Kohm</p> <p>(B) 10Kohm</p> <p>(C) 10Mohm</p> <p>(D) 100Mohm</p>	(D)

103	19-10-2019	252	<p>SCR is a</p> <p>(A) 2 layer device</p> <p>(B) 3 layer device</p> <p>(C) 4 layer device with one gate</p> <p>(D) 4 layer device with two gate</p>	(C)
103	19-10-2019	253	<p>Response time of a PIN Photodiode is of the order of</p> <p>(A) 0.1 nsec</p> <p>(B) 1 nsec</p> <p>(C) 10 nsec</p> <p>(D) 1 millisecc</p>	(B)
103	19-10-2019	254	<p>An ideal power supply has</p> <p>(A) zero internal resistance</p> <p>(B) very large input resistance</p> <p>(C) very large output resistance</p> <p>(D) very low output resistance</p>	(A)
103	19-10-2019	255	<p>The current gain of amplifier stage is lowest in</p> <p>(A) CB Configuration</p> <p>(B) CE Configuration</p> <p>(C) CC configuration</p> <p>(D) Same in all configurations</p>	(A)
103	19-10-2019	256	<p>Astable multivibrator may be used as</p> <p>(A) frequency to voltage converter</p> <p>(B) voltage to frequency converter</p> <p>(C) squaring circuit</p> <p>(D) comparator circuit</p>	(B)

103	19-10-2019	257	<p>The output of a logic gate is "1" when all its input are at logic "0", the gate is either</p> <p>(A) a NAND or an EX-OR gate</p> <p>(B) a NOR or an EX-OR gate</p> <p>(C) an AND or an EX-NOR gate</p> <p>(D) a NOR or an EX-NOR gate</p>	(D)
103	19-10-2019	258	<p>The ac motor used in servo applications is a</p> <p>(A) single-phase induction motor</p> <p>(B) two-phase induction motor</p> <p>(C) three-phase induction motor</p> <p>(D) synchronous motor</p>	(B)
103	19-10-2019	259	<p>A 2- transistor class B power amplifier is commonly called ----- amplifier</p> <p>(A) dual</p> <p>(B) symmetrical</p> <p>(C) push-pull</p> <p>(D) differential</p>	(C)
103	19-10-2019	260	<p>One of the following instruments is used for measuring AC only:</p> <p>(A) permanent magnet moving coil instrument</p> <p>(B) Moving Iron type</p> <p>(C) Dynamometer type</p> <p>(D) Induction type</p>	(D)
103	19-10-2019	261	<p>Scale used with moving coil meter is</p> <p>(A) a linear one</p> <p>(B) a non-linear one</p>	(A)

			(C) a square law scale (D) none of the options	
103	19-10-2019	262	Operation of a thermocouple is based on (A) Seebeck effect (B) Peltier effect (C) Thomson effect (D) Faraday's laws	(A)
103	19-10-2019	263	In Boolean Algebra $X + X.Y =$ (A) 1 (B) 0 (C) X (D) Y	(C)
103	19-10-2019	264	A counter is fundamentally a _____ sequential circuit that proceeds through the predetermined sequence of states only when input pulses are applied to it. (A) register (B) memory unit (C) flipflop (D) arithmetic logic unit	(A)
103	19-10-2019	265	Ladder logic programming consists primarily of: (A) Logic gate symbols with connecting lines (B) Virtual relay contacts and coils (C) Function blocks with connecting lines (D) Text-based code	(B)
103	19-10-2019	266	Which among the below stated statements does not exhibit the characteristic feature of 16-bit microcontroller?	(D)

			<p>(A) Large program & data memory spaces</p> <p>(B) High speed</p> <p>(C) I/O Flexibility</p> <p>(D) Limited Control Applications</p>	
103	19-10-2019	267	<p>Armstrong modulator generates</p> <p>(A) AM signals</p> <p>(B) FM signals</p> <p>(C) PM signals</p> <p>(D) none of the options</p>	(B)
103	19-10-2019	268	<p>The electronic device technology that formed the basis for second generation computers was</p> <p>(A) Transistors</p> <p>(B) Vacuum tube</p> <p>(C) IC</p> <p>(D) diode</p>	(A)
103	19-10-2019	269	<p>Internet works on</p> <p>(A) circuit switching</p> <p>(B) packet switching</p> <p>(C) both circuit switching and packet switching</p> <p>(D) none of the options</p>	(B)
103	19-10-2019	270	<p>Bluetooth is a wireless technology for</p> <p>(A) local area network</p> <p>(B) personal area network</p> <p>(C) wide area network</p> <p>(D) all of the options</p>	(B)

103	19-10-2019	271	<p>Combination of two or more network topologies are called</p> <p>(A) star</p> <p>(B) hybrid</p> <p>(C) ring</p> <p>(D) bus</p>	(B)
103	19-10-2019	272	<p>The voltage gain of an amplifier is expressed</p> <p>(A) As Volts</p> <p>(B) in db</p> <p>(C) as a Number</p> <p>(D) none of the options</p>	(B)
103	19-10-2019	273	<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)
103	19-10-2019	274	<p>The register in the 8085A that is used to keep track of the memory address of the next op-code to be run in the program is the</p> <p>(A) stack pointer</p> <p>(B) program counter</p> <p>(C) instruction pointer</p> <p>(D) accumulator</p>	(B)
103	19-10-2019	275	<p>The cycle required to fetch and execute an instruction in a 8085 microprocessor is</p> <p>(A) Instruction cycle</p> <p>(B) Clock cycle</p>	(A)

			(C) Memory Cycle (D) Machine Cycle	
103	19-10-2019	276	The Op-amp can amplify (A) AC signals only (B) DC signals only (C) Both AC and DC signals (D) neither DC nor AC signals	(C)
103	19-10-2019	277	There are two bulbs, Bulb A and B connected in series and if Bulb A blows out, what happens to bulb B? (A) The bulb B continues to glow with same brightness (B) The bulb B stops glowing (C) The bulb B glows with increased brightness (D) The bulb B also burns out	(B)
103	19-10-2019	278	Servers are computers that provide resources to other computers connected to (A) network (B) mainframe (C) super computer (D) client	(A)
103	19-10-2019	279	A device that generates the periodic signals used to control the timing of all CPU operations (A) COM (B) Collate (C) Chip (D) Clock	(D)
103	19-10-2019	280	Software testing with real data in real environment is	(B)

			<p>known as</p> <p>(A) alpha testing</p> <p>(B) beta testing</p> <p>(C) regression testing</p> <p>(D) unit testing</p>	
103	19-10-2019	281	<p>Ubuntu is which type of Operating system</p> <p>(A) Open Access</p> <p>(B) Open Source</p> <p>(C) Windows Based</p> <p>(D) Mac Based</p>	(B)
103	19-10-2019	282	<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)
103	19-10-2019	283	<p>Name the terminals of a FET</p> <p>(A) Drain, Gate, Source</p> <p>(B) Pentode, Anode, Source</p> <p>(C) Triode, Pentode, Cathode</p> <p>(D) Emitter, Base, Collector</p>	(A)
103	19-10-2019	284	<p>Overmodulation results in</p> <p>(A) Weakening of the signal</p> <p>(B) Excessive carrier power</p> <p>(C) Distortion</p> <p>(D) none of the options</p>	(C)

103	19-10-2019	285	<p>Which device has one input and many outputs?</p> <p>(A) Multiplexer</p> <p>(B) Demultiplexer</p> <p>(C) Counter</p> <p>(D) Flip flop</p>	(B)
103	19-10-2019	286	<p>To send 10% of the main current through a moving coil galvanometer of resistance 99Ω the shunt required is</p> <p>(A) 11Ω</p> <p>(B) 9Ω</p> <p>(C) 100Ω</p> <p>(D) 99Ω</p>	(A)
103	19-10-2019	287	<p>The horizontal plates of a CRO are supplied with to observe the waveform of signal.</p> <p>(A) Sinusoidal wave</p> <p>(B) Cosine wave</p> <p>(C) Sawtooth wave</p> <p>(D) none of the options</p>	(C)
103	19-10-2019	288	<p>The input resistance of a cathode ray oscilloscope is of the order of</p> <p>(A) tens of ohms</p> <p>(B) mega ohm</p> <p>(C) kilo ohm</p> <p>(D) fraction of an ohm</p>	(B)
103	19-10-2019	289	<p>Ultra violet radiation is emitted when electrons jump from an outer stationary orbit to</p> <p>(A) first stationary orbit</p>	(A)

			<p>(B) second stationary orbit</p> <p>(C) third stationary orbit</p> <p>(D) fourth stationary orbit</p>	
103	19-10-2019	290	<p>Negative feedback in amplifiers</p> <p>(A) improves the signal to noise ratio at the input</p> <p>(B) Improves the signal to noise ratio at the output</p> <p>(C) does not affect the signal to noise ratio at the output</p> <p>(D) none of the options</p>	(B)
103	19-10-2019	291	<p>In moving coil meters damping is provided by</p> <p>(A) aluminium frames</p> <p>(B) damping vanes</p> <p>(C) damping vanes in an air tight chamber</p> <p>(D) none of the options</p>	(A)
103	19-10-2019	292	<p>The coupling method which produces minimum interference with frequency response is</p> <p>(A) direct coupling</p> <p>(B) impedance coupling</p> <p>(C) RC coupling</p> <p>(D) Transformer coupling</p>	(A)
103	19-10-2019	293	<p>A dynamic RAM consist of</p> <p>(A) 6 transistors</p> <p>(B) 2 transistors and 2 capacitors</p> <p>(C) 1 transistor and 1 capacitor</p> <p>(D) 2 capacitor only</p>	(C)
103	19-10-2019	294	<p>In FM Broad cast, the maximum modulation frequency is restricted to</p>	(C)

			<p>(A) 5 KHZ</p> <p>(B) 10KHZ</p> <p>(C) 15KHZ</p> <p>(D) 20KHZ</p>	
103	19-10-2019	295	<p>The number of minimum clock cycles in a machine cycle for 8085 is/are</p> <p>(A) 1</p> <p>(B) 2</p> <p>(C) 3</p> <p>(D) 5</p>	(C)
103	19-10-2019	296	<p>Power factor of an incandescent electric bulb is</p> <p>(A) Zero</p> <p>(B) lagging</p> <p>(C) leading</p> <p>(D) unity</p>	(D)
103	19-10-2019	297	<p>The binary number 11101 is equivalent to decimal number</p> <p>(A) 19</p> <p>(B) 12</p> <p>(C) 27</p> <p>(D) 29</p>	(D)
103	19-10-2019	298	<p>When an ammeter is inserted in the circuit, the circuit current will</p> <p>(A) Increase</p> <p>(B) Decrease</p> <p>(C) Remain the same</p>	(B)

			(D) None of the options	
103	19-10-2019	299	The reverse current in a diode is of the order of (A) kA (B) mA (C) μ A (D) A	(C)
103	19-10-2019	300	The output of a half adder is (A) Sum (B) Sum and Carry (C) Carry (D) none of the options	(B)