

Subject Code : 102 ▼

Subject Code	Exam Date	Q Id	Questions	Answer Key
102	19-10-2019	101	<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)
102	19-10-2019	102	<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)
102	19-10-2019	103	<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)
102	19-10-2019	104	<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)
102	19-10-2019	105	<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>	
102	19-10-2019	106	<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)
102	19-10-2019	107	<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)
102	19-10-2019	108	<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)
102	19-10-2019	109	<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	
102	19-10-2019	110	<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)
102	19-10-2019	111	<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)
102	19-10-2019	112	<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)
102	19-10-2019	113	<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>	
102	19-10-2019	114	<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)
102	19-10-2019	115	<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)
102	19-10-2019	116	<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)
102	19-10-2019	117	<p>Synonym of Flabbergasted</p> <p>(A) intense surprise</p>	(A)

			<p>(B) bored</p> <p>(C) impassive</p> <p>(D) unimpressed</p>	
102	19-10-2019	118	<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)
102	19-10-2019	119	<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)
102	19-10-2019	120	<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)
102	19-10-2019	121	<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>	
102	19-10-2019	122	<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)
102	19-10-2019	123	<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)
102	19-10-2019	124	<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)
102	19-10-2019	125	<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>	
102	19-10-2019	126	<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)
102	19-10-2019	127	<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)
102	19-10-2019	128	<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)
102	19-10-2019	129	<p>Window is to pane as book is to</p> <p>(A) Novel</p> <p>(B) Glass</p>	(D)

			(C) Cover (D) Page	
102	19-10-2019	130	Fill in the series: SCD, TEF, UGH, _____, WKL (A) CMN (B) UJI (C) VIJ (D) IJT	(C)
102	19-10-2019	131	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)
102	19-10-2019	132	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)
102	19-10-2019	133	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	
102	19-10-2019	134	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)
102	19-10-2019	135	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)
102	19-10-2019	136	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)
102	19-10-2019	137	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)

102	19-10-2019	138	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)
102	19-10-2019	139	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)
102	19-10-2019	140	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)
102	19-10-2019	141	The ground wire should not be smaller than no. ... copper (A) 2 (B) 4 (C) 6 (D) 10	(D)
102	19-10-2019	142	Which test is conducted to locate the fault location in the cables? (A) Murray loop test	(C)

			<p>(B) Varley loop test</p> <p>(C) Both Murray loop and Varley loop tests</p> <p>(D) None of the options</p>	
102	19-10-2019	143	<p>The field coils of D.C. generator are usually made of</p> <p>(A) mica</p> <p>(B) copper</p> <p>(C) cast iron</p> <p>(D) carbon</p>	(B)
102	19-10-2019	144	<p>In D.C. generators, the cause of rapid brush wear may be</p> <p>(A) severe sparking</p> <p>(B) rough commutator surface</p> <p>(C) imperfect contact</p> <p>(D) any of the options</p>	(D)
102	19-10-2019	145	<p>Which of the following application requires high starting torque ?</p> <p>(A) Lathe machine</p> <p>(B) Centrifugal pump</p> <p>(C) Locomotive</p> <p>(D) Air blower</p>	(C)
102	19-10-2019	146	<p>Which motor is normally free from mechanical and magnetic vibrations ?</p> <p>(A) Split phase motor</p> <p>(B) Universal motor</p> <p>(C) Hysteresis motor</p> <p>(D) Shaded pole motor</p>	(C)
102	19-10-2019	147	<p>In case one phase of a three-phase synchronous</p>	(A)

			<p>motor is short-circuited the motor will</p> <p>(A) not start</p> <p>(B) run at 2/3 of synchronous speed</p> <p>(C) run with excessive vibrations</p> <p>(D) take less than the rated load</p>	
102	19-10-2019	148	<p>The power factor of an induction motor under no-load conditions will be closer to</p> <p>(A) 0.2 lagging</p> <p>(B) 0.2 leading</p> <p>(C) 0.5 leading</p> <p>(D) unity</p>	(A)
102	19-10-2019	149	<p>The economic size of a conductor in transmission and distribution lines of electric power is decided by</p> <p>(A) Ohm's law</p> <p>(B) Kelvin's law</p> <p>(C) Kirchhoff's law</p> <p>(D) Faraday's law</p>	(B)
102	19-10-2019	150	<p>When a DC series motor is connected to A C supply, the power factor will be low because of</p> <p>(A) high inductance of field and armature circuits</p> <p>(B) induced current in rotor due to variation in flux</p> <p>(C) fine copper wire winding</p> <p>(D) none of the options</p>	(A)
102	19-10-2019	151	<p>A transformer core is laminated to</p> <p>(A) reduce hysteresis loss</p> <p>(B) reduce eddy current loss</p> <p>(C) reduce copper loss</p>	(B)

			(D) reduce all losses	
102	19-10-2019	152	<p>In a transformer, the resistance between its primary and secondary is</p> <p>(A) zero</p> <p>(B) 1 Ohm</p> <p>(C) 1000 ohms</p> <p>(D) infinite</p>	(D)
102	19-10-2019	153	<p>According to Fleming's right hand rule for finding the direction of induced emf, when the middle finger points in the direction of induced e.m.f, forefinger will point in the direction of</p> <p>(A) motion of conductor</p> <p>(B) lines of force</p> <p>(C) either of the options</p> <p>(D) none of the options</p>	(B)
102	19-10-2019	154	<p>A moving coil permanent magnet instrument can be used asby using a low resistance shunt.</p> <p>(A) Ammeter</p> <p>(B) Voltmeter</p> <p>(C) Fluxmeter</p> <p>(D) Ballistic Galvanometer</p>	(A)
102	19-10-2019	155	<p>What will happen if the back emf of the D C Motor vanishes suddenly?</p> <p>(A) The motor will stop</p> <p>(B) The motor will continue to run</p> <p>(C) The armature may burn</p> <p>(D) The motor will run noisy</p>	(C)
102	19-10-2019	156	The term cogging is associated with	(D)

			<p>(A) Three phase transformers</p> <p>(B) compound generators</p> <p>(C) D C Series Motors</p> <p>(D) Induction Motors</p>	
102	19-10-2019	157	<p>Star delta starting of motor is not possible in case of</p> <p>(A) single Phase Motor</p> <p>(B) variable speed motor</p> <p>(C) low horse power motor</p> <p>(D) high speed motors</p>	(A)
102	19-10-2019	158	<p>An ohmmeter is a</p> <p>(A) Moving iron instrument</p> <p>(B) Moving coil instrument</p> <p>(C) Dynamometer instrument</p> <p>(D) none of the options</p>	(B)
102	19-10-2019	159	<p>Maximum efficiency will occur when copper loss and iron loss are</p> <p>(A) Unity</p> <p>(B) Zero</p> <p>(C) Unequal</p> <p>(D) Equal</p>	(D)
102	19-10-2019	160	<p>A mercury vapour lamp gives</p> <p>(A) Pink Light</p> <p>(B) Yellow Light</p> <p>(C) Greenish Blue light</p> <p>(D) White light</p>	(C)

102	19-10-2019	161	<p>The only function of NOT gate is to</p> <p>(A) Stop signal</p> <p>(B) Invert input signal</p> <p>(C) Act as a universal gate</p> <p>(D) none of the options</p>	(B)
102	19-10-2019	162	<p>Which of the following statement is CORRECT?</p> <p>(A) Norton's theorem is same as superposition theorem</p> <p>(B) Norton's theorem is the converse of superposition theorem</p> <p>(C) Norton's theorem is same as Thevenin's theorem</p> <p>(D) Norton's theorem is the converse of Thevenin's theorem</p>	(D)
102	19-10-2019	163	<p>Arc blow is a welding defect which is encountered in</p> <p>(A) Arc welding using DC current</p> <p>(B) Arc welding using AC current</p> <p>(C) Gas welding</p> <p>(D) Thermit welding</p>	(A)
102	19-10-2019	164	<p>Squirrel cage induction motor has</p> <p>(A) Very high starting torque</p> <p>(B) Very small starting torque</p> <p>(C) Medium starting torque</p> <p>(D) none of the options</p>	(B)
102	19-10-2019	165	<p>Utilisation factor is defined as the ratio of</p> <p>(A) Average demand to the rated capacity of the plant.</p> <p>(B) Rated capacity of the power plant to the maximum demand</p>	(C)

			<p>(C) Maximum demand on the power plant to the rated capacity of the power plant</p> <p>(D) none of the options</p>	
102	19-10-2019	166	<p>Residual magnetism is necessary in a d.c</p> <p>(A) Shunt generator</p> <p>(B) Series motor</p> <p>(C) Shunt motor</p> <p>(D) Separately excited generator</p>	(A)
102	19-10-2019	167	<p>Quartz crystal is most commonly used in crystal oscillators because</p> <p>(A) It has superior electrical properties</p> <p>(B) It is easily available</p> <p>(C) It is quite inexpensive</p> <p>(D) none of the options</p>	(A)
102	19-10-2019	168	<p>A pn junction acts as a</p> <p>(A) Controlled switch</p> <p>(B) Bidirectional switch</p> <p>(C) Unidirectional switch</p> <p>(D) none of the options</p>	(C)
102	19-10-2019	169	<p>Which of the following is most difficult to fabricate in an IC?</p> <p>(A) Diode</p> <p>(B) Transistor</p> <p>(C) FET</p> <p>(D) Capacitor</p>	(D)
102	19-10-2019	170	<p>Which type of fire extinguisher should not be used on electrical equipment?</p>	(A)

			<p>(A) Foam type</p> <p>(B) Co₂</p> <p>(C) Vapourising liquid</p> <p>(D) Dry powder</p>	
102	19-10-2019	171	<p>Which colour wire is recommended for earth connection as per ISI code?</p> <p>(A) Red</p> <p>(B) Green</p> <p>(C) Black</p> <p>(D) Blue</p>	(B)
102	19-10-2019	172	<p>What is the minimum discharge voltage allowed after fully discharged condition of a lead acid cell?</p> <p>(A) 1.6V</p> <p>(B) 1.8V</p> <p>(C) 2.0V</p> <p>(D) 2.1V</p>	(A)
102	19-10-2019	173	<p>The efficiency of an induction motor can be</p> <p>(A) 60 to 90%</p> <p>(B) 80 to 90%</p> <p>(C) 95 to 98%</p> <p>(D) 99%</p>	(B)
102	19-10-2019	174	<p>No load test of a transformer carried out to determine</p> <p>(A) copper loss</p> <p>(B) magnetising current</p> <p>(C) magnetising current and loss</p> <p>(D) efficiency</p>	(C)

102	19-10-2019	175	<p>Two transformers operating in parallel will share the load depending on their</p> <p>(A) leakage resistance</p> <p>(B) per unit impedance</p> <p>(C) efficiencies</p> <p>(D) ratings</p>	(B)
102	19-10-2019	176	<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)
102	19-10-2019	177	<p>Gas is usually not liberated due to dissociation of transformer oil unless the oil temperature exceeds</p> <p>(A) 50°C</p> <p>(B) 80°C</p> <p>(C) 100°C</p> <p>(D) 150°C</p>	(D)
102	19-10-2019	178	<p>Which of the following is not a part of transformer installation?</p> <p>(A) Conservator</p> <p>(B) Breather</p> <p>(C) Buchholz relay</p> <p>(D) Exciter</p>	(D)
102	19-10-2019	179	<p>The minimum clearance between the ground and a 220kV line is</p> <p>(A) 4.3 M</p>	(C)

			<p>(B) 5.5 M</p> <p>(C) 7.0M</p> <p>(D) 10.5 M</p>	
102	19-10-2019	180	<p>For transmission of power over a distance of 200km, the transmission voltage should be</p> <p>(A) 132 kV</p> <p>(B) 66kV</p> <p>(C) 33kV</p> <p>(D) 11kV</p>	(A)
102	19-10-2019	181	<p>Rotor rheostat control method of speed control is used for</p> <p>(A) Squirrel cage induction motor only</p> <p>(B) Slip ring induction motor only</p> <p>(C) both Squirrel cage & Slip ring induction motor</p> <p>(D) none of the options</p>	(B)
102	19-10-2019	182	<p>Permeance is the reciprocal of</p> <p>(A) Flux density</p> <p>(B) Reluctance</p> <p>(C) Ampere-turns</p> <p>(D) Resistance</p>	(B)
102	19-10-2019	183	<p>A zener diode is invariably used with</p> <p>(A) Forward bias</p> <p>(B) Reverse bias</p> <p>(C) either forward or reverse bias</p> <p>(D) Zero bias</p>	(B)
102	19-10-2019	184	<p>The information to the circuit under fault conditions is provided by</p>	(A)

			<p>(A) relay</p> <p>(B) requirable fuse</p> <p>(C) H R C Fuse</p> <p>(D) All of the options</p>	
102	19-10-2019	185	<p>What is the octal equivalent of binary number : 10111101</p> <p>(A) 675</p> <p>(B) 275</p> <p>(C) 572</p> <p>(D) 573</p>	(B)
102	19-10-2019	186	<p>Which of the following is a diamagnetic material?</p> <p>(A) Aluminium</p> <p>(B) Oxygen</p> <p>(C) Lead</p> <p>(D) Nickel</p>	(C)
102	19-10-2019	187	<p>Kirchoffs current law is applied at</p> <p>(A) Loop</p> <p>(B) Neither loop nor node</p> <p>(C) Node</p> <p>(D) Both loop and node</p>	(C)
102	19-10-2019	188	<p>Connected load is</p> <p>(A) Maximum load a consumer draws</p> <p>(B) Load drawn by a consumer at any instant.</p> <p>(C) Installed electrical load in the premises of the consumer.</p> <p>(D) none of the options</p>	(C)

102	19-10-2019	189	<p>Open circuit test in a transformer is performed with</p> <p>(A) Direct current</p> <p>(B) High frequency supply</p> <p>(C) Rated transformer current</p> <p>(D) Rated transformer voltage</p>	(D)
102	19-10-2019	190	<p>An oscillator produces oscillations.</p> <p>(A) Damped</p> <p>(B) Undamped</p> <p>(C) Modulated</p> <p>(D) none of the options</p>	(B)
102	19-10-2019	191	<p>Which defect will occur in the lead acid battery if over charged or over discharged?</p> <p>(A) Sulphation</p> <p>(B) Buckling</p> <p>(C) Local action</p> <p>(D) Partial short</p>	(C)
102	19-10-2019	192	<p>What is the proportion of tin and lead used in electrician solder?</p> <p>(A) Tin 60: Lead 40</p> <p>(B) Tin 50: Lead 40</p> <p>(C) Tin 40: Lead 60</p> <p>(D) Tin 35: Lead 65</p>	(A)
102	19-10-2019	193	<p>Arcing contacts in a circuit breaker is made up of</p> <p>(A) copper tungsten alloy</p> <p>(B) porcelain</p> <p>(C) electrolytic copper</p>	(A)

			(D) Al alloy	
102	19-10-2019	194	<p>Insulating materials for cables should be</p> <p>(A) acid proof</p> <p>(B) non inflammable</p> <p>(C) non hygroscopic</p> <p>(D) All of the options</p>	(D)
102	19-10-2019	195	<p>A cable carrying alternating current has</p> <p>(A) Hysteresis loss only</p> <p>(B) Hysteresis and leakage losses only</p> <p>(C) Hysteresis , leakage and copper losses only</p> <p>(D) Hysteresis, leakage, copper and friction losses</p>	(B)
102	19-10-2019	196	<p>Which of the following cannot be measured using a multimeter?</p> <p>(A) AC Voltage</p> <p>(B) DC Current</p> <p>(C) Phase Angle</p> <p>(D) Resistance</p>	(C)
102	19-10-2019	197	<p>Moulded case circuit breaker is used for</p> <p>(A) overload and short circuit protection</p> <p>(B) overload protection</p> <p>(C) short circuit protection</p> <p>(D) Open circuit protection</p>	(A)
102	19-10-2019	198	<p>In an LC oscillator, if the value of L is increased four times, the frequency of oscillations is</p> <p>(A) Increased 2 times</p> <p>(B) Decreased 4 times</p>	(D)

			(C) Increased 4 times (D) Decreased 2 times	
102	19-10-2019	199	Series reactors should have (A) Low R (B) High R (C) Low impedance (D) High Impedence	(A)
102	19-10-2019	200	Which material is not a good conductor? (A) Aluminum (B) Copper (C) Porcelain (D) Steel	(C)