

Subject Code : 104 ▼

Subject Code	Exam Date	Q Id	Questions	Answer Key
104	19-10-2019	301	<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)
104	19-10-2019	302	<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)
104	19-10-2019	303	<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)
104	19-10-2019	304	<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)
104	19-10-2019	305	<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>	
104	19-10-2019	306	<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)
104	19-10-2019	307	<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)
104	19-10-2019	308	<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)
104	19-10-2019	309	<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	
104	19-10-2019	310	<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)
104	19-10-2019	311	<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)
104	19-10-2019	312	<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)
104	19-10-2019	313	<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>	
104	19-10-2019	314	<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)
104	19-10-2019	315	<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)
104	19-10-2019	316	<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)
104	19-10-2019	317	<p>Synonym of Flabbergasted</p> <p>(A) intense surprise</p>	(A)

			<p>(B) bored</p> <p>(C) impassive</p> <p>(D) unimpressed</p>	
104	19-10-2019	318	<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)
104	19-10-2019	319	<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)
104	19-10-2019	320	<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)
104	19-10-2019	321	<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)

			(A) uncle (B) aunt (C) nephew (D) sister	
104	19-10-2019	322	In a queue, Ramesh is 13th from one end and 19th from the other end, then how many boys are there in the queue? (A) 29 (B) 30 (C) 31 (D) 32	(C)
104	19-10-2019	323	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? (A) 15 (B) 18 (C) 23 (D) 25	(C)
104	19-10-2019	324	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? (A) 14 (B) 17 (C) 16 (D) 24	(A)
104	19-10-2019	325	If alphabet series is given in backward or reverse order, then find out the eighth letter to the right of O? (A) G	(A)

			<p>(B) H</p> <p>(C) U</p> <p>(D) X</p>	
104	19-10-2019	326	<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)
104	19-10-2019	327	<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)
104	19-10-2019	328	<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)
104	19-10-2019	329	<p>Window is to pane as book is to</p> <p>(A) Novel</p> <p>(B) Glass</p>	(D)

			(C) Cover (D) Page	
104	19-10-2019	330	Fill in the series: SCD, TEF, UGH, _____, WKL (A) CMN (B) UJI (C) VIJ (D) IJT	(C)
104	19-10-2019	331	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)
104	19-10-2019	332	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)
104	19-10-2019	333	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	
104	19-10-2019	334	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)
104	19-10-2019	335	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)
104	19-10-2019	336	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)
104	19-10-2019	337	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)

104	19-10-2019	338	<p>Two numbers are in the ratio 2 : 3. If their L.C.M. is 48. what is sum of the numbers?</p> <p>(A) 28</p> <p>(B) 40</p> <p>(C) 64</p> <p>(D) 42</p>	(B)
104	19-10-2019	339	<p>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?</p> <p>(A) 6.25</p> <p>(B) 5.5</p> <p>(C) 7.4</p> <p>(D) 5</p>	(A)
104	19-10-2019	340	<p>Ramesh's age after 15 years will be 5 times his age 5 years back. What is the current age of Ramesh?</p> <p>(A) 15</p> <p>(B) 14</p> <p>(C) 10</p> <p>(D) 7</p>	(C)
104	19-10-2019	341	<p>Convert Decimal 41 to binary</p> <p>(A) $(101001)_2$</p> <p>(B) $(101101)_2$</p> <p>(C) $(101010)_2$</p> <p>(D) $(100001)_2$</p>	(A)
104	19-10-2019	342	<p>Which of the following is the positive lead of Type K thermocouple?</p> <p>(A) Nickel-Chromium</p> <p>(B) Nickel-Aluminium</p>	(A)

			<p>(C) Nickel-Copper</p> <p>(D) Nickel</p>	
104	19-10-2019	343	<p>Signal flow graph is used to find</p> <p>(A) Transfer function of the system</p> <p>(B) Stability of the system</p> <p>(C) Controllability of the system</p> <p>(D) Poles of the system</p>	(A)
104	19-10-2019	344	<p>If a dominant zero is introduced in a system function, then pick the correct option as related to unit response of the function:</p> <p>(A) It increases damping factor</p> <p>(B) It increases damping frequency</p> <p>(C) It suppresses the peak oscillation</p> <p>(D) Produces an early response peak</p>	(B)
104	19-10-2019	345	<p>Transfer function of a system is used to calculate which of the following?</p> <p>(A) The output for any given input</p> <p>(B) Steady State gain</p> <p>(C) Time constant</p> <p>(D) Order of the system</p>	(A)
104	19-10-2019	346	<p>Gyroscopes are</p> <p>(A) Inertial sensors</p> <p>(B) Pressure sensors</p> <p>(C) Voltage sensors</p> <p>(D) Humidity sensors</p>	(A)
104	19-10-2019	347	<p>Which of the following effect is used in AC ammeters?</p>	(A)

			<p>(A) Electromagnetic effect</p> <p>(B) Electrostatic effect</p> <p>(C) Chemical effect</p> <p>(D) Magnetic effect</p>	
104	19-10-2019	348	<p>Mesh analysis can be used for</p> <p>(A) Voltage</p> <p>(B) Current</p> <p>(C) Resistance</p> <p>(D) Power</p>	(B)
104	19-10-2019	349	<p>Endoscopic imaging uses</p> <p>(A) None of the options</p> <p>(B) thermal sensors</p> <p>(C) optic fiber sensors</p> <p>(D) pressure sensors</p>	(C)
104	19-10-2019	350	<p>Determine the time period of a monostable 555 multivibrator.</p> <p>(A) $T=1.1RC$</p> <p>(B) $T=0.33RC$</p> <p>(C) $T=3RC$</p> <p>(D) $T=RC$</p>	(A)
104	19-10-2019	351	<p>Zero initial condition for a system means</p> <p>(A) zero stored energy</p> <p>(B) Input reference signal is zero</p> <p>(C) System is at motion</p> <p>(D) System is at rest and no energy is stored in any of its components</p>	(D)

104	19-10-2019	352	Oscillations in output response is due to (A) Positive feedback (B) Negative feedback (C) No feedback (D) None of the options	(A)
104	19-10-2019	353	The HTTP request message is sent in _____ part of three-way handshake (A) First (B) Second (C) Third (D) Fourth	(C)
104	19-10-2019	354	HTTP is _____ protocol (A) Transport Layer (B) Network Layer (C) None of the options (D) Application Layer	(D)
104	19-10-2019	355	URL stands for _____ (A) uniform resource locator (B) Unique resource locator (C) uniform resource label (D) unique reference label	(A)
104	19-10-2019	356	Which of the following represents Reynolds number for laminar flow? (A) Less than 2000 (B) Greater than 4000 (C) Infinite	(A)

			(D) None of the options	
104	19-10-2019	357	<p>The electrodes used in carbon arc welding are made up of</p> <p>(A) Carbon</p> <p>(B) Graphite</p> <p>(C) Either carbon or graphite</p> <p>(D) Zinc</p>	(C)
104	19-10-2019	358	<p>For purely domestic loads which type of distribution is employed?</p> <p>(A) Single phase two wire</p> <p>(B) 3 phase 3 wire</p> <p>(C) 3 phase 4 wire</p> <p>(D) None of the options</p>	(A)
104	19-10-2019	359	<p>Which of the following circuit breakers has the lowest operating voltage?</p> <p>(A) SF₆ circuit breaker</p> <p>(B) Air break</p> <p>(C) Air blast</p> <p>(D) Minimum oil circuit breaker</p>	(B)
104	19-10-2019	360	<p>A memory drive that loses its contents when power is lost is</p> <p>(A) volatile</p> <p>(B) non-volatile</p> <p>(C) random</p> <p>(D) static</p>	(A)
104	19-10-2019	361	<p>You have to replace a 1.5 KΩ resistor in a circuit. You have no 1.5 KΩ resistor, but have several</p>	(C)

			<p>1KΩ resistors which you would connect</p> <p>(A) three in parallel</p> <p>(B) three in series</p> <p>(C) two in parallel and one in series</p> <p>(D) two in parallel</p>	
104	19-10-2019	362	<p>In Octal number system,the number after 7 is</p> <p>(A) 8</p> <p>(B) 10</p> <p>(C) 15</p> <p>(D) 20</p>	(B)
104	19-10-2019	363	<p>What is the difference between the 7476 and 74LS76?</p> <p>(A) The 7476 is master-slave, the 74LS76 is master-slave</p> <p>(B) The 7476 is edge-triggered, the 74LS76 is master slave</p> <p>(C) Both are edge triggered</p> <p>(D) The 7476 is master-slave, the 74LS76 is edge-triggered</p>	(D)
104	19-10-2019	364	<p>What is the color code for a 220 ohm,5% resistor?</p> <p>(A) Red,Red,Brown,Gold</p> <p>(B) Orange,Orange,Black,Gold</p> <p>(C) Red,Red,Black,Gold</p> <p>(D) Red,Red,Brown,Silver</p>	(A)
104	19-10-2019	365	<p>During a measurement, for a measure value “B”, absolute error is obtained as “A”, what will be the relative error of measurement?</p> <p>(A) A/B</p>	(A)

			<p>(B) B/A</p> <p>(C) $(A+1)/B$</p> <p>(D) $(B+A)/A$</p>	
104	19-10-2019	366	<p>Accuracy in a bridge measurement depends on</p> <p>(A) Sensitivity of detector</p> <p>(B) Applied voltage</p> <p>(C) Both Sensitivity and applied voltage</p> <p>(D) Accuracy of indicator</p>	(C)
104	19-10-2019	367	<p>Load cells are used for measuring</p> <p>(A) Large weights only</p> <p>(B) Small weights only</p> <p>(C) Weights moving in high speed</p> <p>(D) Slowly moving weights</p>	(D)
104	19-10-2019	368	<p>For an RC network with $R=1K\Omega$ and $C=100\mu F$, what will be the time constant of a system?</p> <p>(A) 0.1</p> <p>(B) 1</p> <p>(C) 10</p> <p>(D) 0.01</p>	(A)
104	19-10-2019	369	<p>What is the largest integer number that a PLC counter function can reach if it uses a 16 bit register?</p> <p>(A) 32768</p> <p>(B) 65535</p> <p>(C) 65536</p> <p>(D) 65537</p>	(B)
104	19-10-2019	370	<p>What is the full form of SCADA?</p>	(B)

			<p>(A) Supervisory Control and Document Acquisition</p> <p>(B) Supervisory Control and Data Acquisition</p> <p>(C) Supervisory Column and Data Assessment</p> <p>(D) Supervisory Column and Data Acquisition</p>	
104	19-10-2019	371	<p>Pressure of 1 bar is equal to</p> <p>(A) 14.5psi</p> <p>(B) 145psi</p> <p>(C) 12.5psi</p> <p>(D) 145×10^{-6} psi</p>	(A)
104	19-10-2019	372	<p>Which is the alloy that can be deformed when cold but returns to its pre-deformed ("remembered") shape when heated?</p> <p>(A) Shape memory alloy</p> <p>(B) Thermocouples</p> <p>(C) RTD</p> <p>(D) Hastelloy</p>	(A)
104	19-10-2019	373	<p>With the introduction of PI controller in a control system, pick the correct effect produced:</p> <p>(A) Steady-State error increases</p> <p>(B) Rise time doesn't change</p> <p>(C) Overshoot increases</p> <p>(D) None of the options</p>	(C)
104	19-10-2019	374	<p>MEM stands for</p> <p>(A) Micro electro mechanism</p> <p>(B) Macro electro magnetism</p> <p>(C) Macro electro mechanism</p> <p>(D) Micro electro magnetism</p>	(A)

104	19-10-2019	375	<p>Which of the following can be used with both AC and DC?</p> <p>(A) PMMC</p> <p>(B) Moving Iron type</p> <p>(C) Induction type</p> <p>(D) Moving Coil type</p>	(B)
104	19-10-2019	376	<p>Using a low resistant shunt Moving coil, permanent magnet instrument can be converted to</p> <p>(A) Voltmeter</p> <p>(B) Ammeter</p> <p>(C) Watt meter</p> <p>(D) Flux meter</p>	(B)
104	19-10-2019	377	<p>_____ converts biochemical events to measurable signals</p> <p>(A) Transducer</p> <p>(B) opamp</p> <p>(C) amplifier</p> <p>(D) rectifier</p>	(A)
104	19-10-2019	378	<p>A differential amplifier is capable of amplifying</p> <p>(A) AC&DC Signal</p> <p>(B) AC signal only</p> <p>(C) DC signal only</p> <p>(D) None of the options</p>	(A)
104	19-10-2019	379	<p>Transfer function of the system is defined as the ratio of Laplace output to Laplace input considering initial condition as</p> <p>(A) Zero</p>	(A)

			<p>(B) One</p> <p>(C) Two</p> <p>(D) Infinite</p>	
104	19-10-2019	380	<p>In FTP protocol, client contacts server using _____ as the transport protocol</p> <p>(A) Transmission control protocol</p> <p>(B) User datagram protocol</p> <p>(C) Datagram congestion control protocol</p> <p>(D) Stream control transmission protocol</p>	(A)
104	19-10-2019	381	<p>In a synchronous generator, the frequency of the generated EMF depends on</p> <p>(A) Rotational Speed</p> <p>(B) Poles</p> <p>(C) Both rotational speed and poles</p> <p>(D) None of the options</p>	(C)
104	19-10-2019	382	<p>What is the advantage of HRC fuses over Rewirable fuses?</p> <p>(A) High speed operation</p> <p>(B) High rupturing capacity</p> <p>(C) No ageing effect.</p> <p>(D) all of the options</p>	(D)
104	19-10-2019	383	<p>In the forward region of its characteristics, a diode appears as</p> <p>(A) an OFF switch</p> <p>(B) a high resistance</p> <p>(C) a capacitor</p> <p>(D) an ON switch</p>	(D)

104	19-10-2019	384	<p>What is 'live zero'?</p> <p>(A) Output zero for zero input</p> <p>(B) Output non zero for zero input</p> <p>(C) Output null for all input</p> <p>(D) Output unpredictable</p>	(B)
104	19-10-2019	385	<p>Centrifugal force elements are used for</p> <p>(A) High flow rate</p> <p>(B) Low flow rate</p> <p>(C) All range of flow rate</p> <p>(D) None of the options</p>	(A)
104	19-10-2019	386	<p>Digital control systems are generally superior to analog control systems, but they are always worse with regard to</p> <p>(A) Speed</p> <p>(B) Diagnostics</p> <p>(C) User-friendliness</p> <p>(D) Flexibility</p>	(A)
104	19-10-2019	387	<p>What does ERP stand for?</p> <p>(A) Enterprise Resource Planning</p> <p>(B) Enterprise Resource Program</p> <p>(C) Enterprise Recycling Program</p> <p>(D) Environmental Resource Planning</p>	(A)
104	19-10-2019	388	<p>What is the name given to those applications that combine text, sound, graphics, motion video, and/or animation?</p> <p>(A) Motionware</p> <p>(B) Anigraphics</p>	(C)

			(C) Multimedia (D) Videoscapes	
104	19-10-2019	389	In piezoelectric strain transducer, voltage developed is _____ to strain applied. (A) Directly proportional (B) Inversely proportional (C) Equal (D) Independent	(A)
104	19-10-2019	390	Maxwell Bridge is used for measuring (A) Low quality coil ($Q < 1$) (B) Medium quality coil ($1 < Q < 10$) (C) High quality coil ($Q > 10$) (D) All quality coil (any value of Q)	(B)
104	19-10-2019	391	A one-way valve that lets air into the reservoir of a compressor, but doesn't let it out, is a (A) Check valve (B) Receiver valve (C) Control valve (D) Threeway valve	(A)
104	19-10-2019	392	Output of electrical transducer is (A) inversely proportional to displacement (B) proportional to square of displacement (C) proportional to displacement (D) constant	(C)
104	19-10-2019	393	Which of the following software is used to drive micro-processor based system? (A) Firm ware	(B)

			<p>(B) Assembly language program</p> <p>(C) Flow chart instructions</p> <p>(D) Basic interpreter instructions</p>	
104	19-10-2019	394	<p>A program either talk or music, that is made available in digital format for automatic download over the internet is called a</p> <p>(A) Broadcast</p> <p>(B) Podcast</p> <p>(C) Blog</p> <p>(D) Wiki</p>	(B)
104	19-10-2019	395	<p>SI Unit of Luminous Intensity</p> <p>(A) candela</p> <p>(B) candela per square meter</p> <p>(C) lux</p> <p>(D) lux second</p>	(A)
104	19-10-2019	396	<p>Which of the following is correct for tactile sensors?</p> <p>(A) Touch sensitive</p> <p>(B) Pressure sensitive</p> <p>(C) Input voltage sensitive</p> <p>(D) Humidity sensitive</p>	(A)
104	19-10-2019	397	<p>In ideal differential amplifier, if same signal is given to both inputs, the output will be</p> <p>(A) Zero</p> <p>(B) Double the input</p> <p>(C) Same as input</p> <p>(D) None of the options</p>	(A)

104	19-10-2019	398	<p>The most suited gate pulses given to the AC regulator with R - L load can be in the form of</p> <p>(A) Continuous signal</p> <p>(B) Large isolating pulse transformer</p> <p>(C) A train of pulses</p> <p>(D) None of the options</p>	(C)
104	19-10-2019	399	<p>What is the advantage of the static capacitors?</p> <p>(A) Low losses</p> <p>(B) Easy installation</p> <p>(C) Lower maintenance</p> <p>(D) all of the options</p>	(D)
104	19-10-2019	400	<p>Closeness of measured value to true value is</p> <p>(A) Accuracy</p> <p>(B) Precision</p> <p>(C) Correction</p> <p>(D) Uncertainty</p>	(A)