

Subject Code : 302 ▼

Subject Code	Exam Date	Q Id	Questions	Answer Key
302	11-02-2020	71	<p>The modern game of polo originated in which of the following Indian states?</p> <p>(A) Nagaland (B) Manipur (C) Mizoram (D) Tripura</p>	(B)
302	11-02-2020	72	<p>World Tourism Day is celebrated on-</p> <p>(A) September 12 (B) September 25 (C) September 27 (D) September 29</p>	(C)
302	11-02-2020	73	<p>The executive power of the Union is vested in which one of the below?</p> <p>(A) Prime minister (B) Home minister (C) Vice-president (D) President</p>	(D)
302	11-02-2020	74	<p>Who said 'Man is a political animal'?</p> <p>(A) Socrates (B) Plato (C) Aristotle (D) Dante</p>	(C)
302	11-02-2020	75	<p>India's first e-waste clinic is to be inaugurated in</p>	(B)

			<p>which city?</p> <p>(A) Amravati</p> <p>(B) Bhopal</p> <p>(C) New Delhi</p> <p>(D) Ahmedabad</p>	
302	11-02-2020	76	<p>Improve the underlined part of the sentence:</p> <p><b><u>Have you been</u></b> more careful, the accident could have been averted.</p> <p>(A) If you have been</p> <p>(B) Had you been</p> <p>(C) Have you being</p> <p>(D) No correction required</p>	(B)
302	11-02-2020	77	<p>Antonym for the word "Vertical"</p> <p>(A) Virtue</p> <p>(B) Horizontal</p> <p>(C) Superior</p> <p>(D) Abnormal</p>	(B)
302	11-02-2020	78	<p>Proverb which means, "To make full use of the given opportunity"</p> <p>(A) To rob Peter to pay Paul.</p> <p>(B) Make hay while the sun shines.</p> <p>(C) Fore-warned fore-armed.</p> <p>(D) He who pays the piper calls the tune.</p>	(B)
302	11-02-2020	79	<p>Synonym of the word "Hazardous"</p> <p>(A) ridiculous</p> <p>(B) congenial</p>	(C)

			(C) dangerous (D) prudent	
302	11-02-2020	80	<p>Fill in the blanks with the most appropriate word :</p> <p><b>They ..... TV when the burglars broke in.</b></p> <p>(A) was watching (B) were watching (C) had been seeing (D) saw</p>	(B)
302	11-02-2020	81	<p>In a queue, Amrita is 10th from the front while Mukul is 25th from behind and Mamta is just in the middle of the two. If there be 50 persons in the queue, what position does Mamta occupy from the front ?</p> <p>(A) 20th (B) 19th (C) 18th (D) 17th</p>	(C)
302	11-02-2020	82	<p>Select the related number from the alternative and fill in the blanks.</p> <p>196 : 256 :: 324 : ___</p> <p>(A) 361 (B) 400 (C) 411 (D) 484</p>	(B)
302	11-02-2020	83	<p>Here are some words translated from an artificial language. krekinblaf means workforce dritakrekin means groundwork krekinalti means workplace</p> <p>Which word could mean "someplace"?</p>	(A)

			<p>(A) moropalti</p> <p>(B) krekindrita</p> <p>(C) altiblaf</p> <p>(D) dritaalti</p>	
302	11-02-2020	84	<p>Doctor : Nurse :: ? : Follower</p> <p>(A) Employer</p> <p>(B) Leader</p> <p>(C) Worker</p> <p>(D) Manager</p>	(B)
302	11-02-2020	85	<p>Complete the series</p> <p>2, 5, 9, 19, 37.....</p> <p>(A) 76</p> <p>(B) 74</p> <p>(C) 75</p> <p>(D) None of the options</p>	(C)
302	11-02-2020	86	<p>Two cars cover the same distance at the speed of 60 and 64 kmph respectively. Find the distance traveled by them if the slower car takes 1 hour more than the faster car.</p> <p>(A) 906 km</p> <p>(B) 960 m</p> <p>(C) 960 km</p> <p>(D) 966 km</p>	(C)
302	11-02-2020	87	<p>What smallest number should be subtracted from 9805 so that it is divisible by 8?</p> <p>(A) 3</p> <p>(B) 4</p>	(C)

			(C) 5 (D) 7	
302	11-02-2020	88	If 30% of a certain number is 12.6, what is the number?  (A) 24 (B) 42 (C) 23 (D) 32	(B)
302	11-02-2020	89	A pipe can fill a tank in 6 hours and another pipe can empty the tank in 12 hours. If both the pipes are opened at the same time, the tank can be filled in  (A) 10 hours (B) 12 hours (C) 14 hours (D) 16 hours	(B)
302	11-02-2020	90	$7212 + 15.231 - ? = 6879$  (A) 348.231 (B) 359.022 (C) 362.02 (D) 328.221	(A)
302	11-02-2020	91	Organisation establishes relationship between  (A) Customer, work and resources (B) People, work and resources (C) People, work and management (D) Customer, work and management	(B)
302	11-02-2020	92	Self generating type transducers are _____	(D)

			<p>transducers.</p> <p>(A) Inverse</p> <p>(B) Secondary</p> <p>(C) Passive</p> <p>(D) Active</p>	
302	11-02-2020	93	<p>Strain gauge, LVDT and thermocouple are examples of</p> <p>(A) Passive transducers</p> <p>(B) Active transducers</p> <p>(C) Analog transducers</p> <p>(D) Primary transducers</p>	(C)
302	11-02-2020	94	<p>An inverse transducer is a device which converts</p> <p>(A) Electrical quantity into a non electrical quantity</p> <p>(B) Electrical quantity into mechanical quantity</p> <p>(C) Electrical energy into thermal energy</p> <p>(D) Electrical energy into light energy</p>	(A)
302	11-02-2020	95	<p>Dead time of the instrument is</p> <p>(A) The largest change of input quantity for which there is no output of the instrument</p> <p>(B) The time required by an instrument to begin to respond to a change in the measurand</p> <p>(C) The time required by an instrument for initial warming up</p> <p>(D) None of the options</p>	(B)
302	11-02-2020	96	<p>The universal gate is .....</p> <p>(A) NAND gate</p> <p>(B) AND gate</p>	(A)

			<p>(C) OR gate</p> <p>(D) None of the options</p>	
302	11-02-2020	97	<p>A transducer converts _____</p> <p>(A) mechanical quantity to electrical form</p> <p>(B) electrical quantity to physical form</p> <p>(C) physical quantity to electrical form</p> <p>(D) chemical quantity to physical form</p>	Question Withdrawn
302	11-02-2020	98	<p>_____ is used to prevent oscillation in moving system.</p> <p>(A) Oscillatory system</p> <p>(B) Damping system</p> <p>(C) Controlling</p> <p>(D) Deflecting</p>	(B)
302	11-02-2020	99	<p>Which of the following is not a characteristic of an ideal op-amp?</p> <p>(A) Infinite bandwidth</p> <p>(B) Infinite input impedance</p> <p>(C) Zero slew rate</p> <p>(D) Zero output impedance</p>	(C)
302	11-02-2020	100	<p>A confined space is deemed ready for employee entry when:</p> <p>(A) The unit operations foreman declares it ready</p> <p>(B) An engineer has completed the necessary calculations</p> <p>(C) A company safety inspector has certified it</p> <p>(D) Your supervisor assigns you to the job</p>	(C)
302	11-02-2020	101	The following is (are) non-verbal communication	(D)

			<p>(A) Facial expression</p> <p>(B) Appearance</p> <p>(C) Posture</p> <p>(D) All of the options</p>	
302	11-02-2020	102	<p>When is the communication process complete?</p> <p>(A) When the sender transmits the message</p> <p>(B) When the receiver understands the message</p> <p>(C) When the message enters the channel</p> <p>(D) When the message leaves the channel</p>	(B)
302	11-02-2020	103	<p>Error of measurement is</p> <p>(A) Precision – True value</p> <p>(B) Measured value – Precision</p> <p>(C) True value – Measured value</p> <p>(D) None of the options</p>	(C)
302	11-02-2020	104	<p>What is the span of an instrument, operating under a bias which read a value from 230V to 450V only?</p> <p>(A) 230</p> <p>(B) 450</p> <p>(C) 400</p> <p>(D) 220</p>	(D)
302	11-02-2020	105	<p>Which of the following can be measured using Piezo-electric transducer?</p> <p>(A) Velocity</p> <p>(B) Force</p> <p>(C) Displacement</p>	(B)



			(D) Sound	
302	11-02-2020	106	<p>USB is a device used to store data and it stands for</p> <p>(A) Unlimited Serial Bus</p> <p>(B) Unlimited Service Bus</p> <p>(C) Universal Service Bus</p> <p>(D) Universal Serial Bus</p>	(D)
302	11-02-2020	107	<p>All the following are computer input devices except for</p> <p>(A) Printer</p> <p>(B) Keyboard</p> <p>(C) Mouse</p> <p>(D) Joy Stick</p>	(A)
302	11-02-2020	108	<p>The information stored in _____ is erased when the computer is turned off</p> <p>(A) RAM</p> <p>(B) ROM</p> <p>(C) BIOS</p> <p>(D) CPU</p>	(A)
302	11-02-2020	109	<p>The handshake that conveys confidence is</p> <p>(A) Limp</p> <p>(B) Firm</p> <p>(C) Loose</p> <p>(D) Double</p>	(B)
302	11-02-2020	110	<p>Communication is the task of imparting _____</p> <p>(A) Training</p>	(C)

			<p>(B) Knowledge</p> <p>(C) Information</p> <p>(D) Message</p>	
302	11-02-2020	111	<p>OR gate has high output if _____</p> <p>(A) Input is high</p> <p>(B) Input is low</p> <p>(C) None of the options</p> <p>(D) Zero Input</p>	(A)
302	11-02-2020	112	<p>Which of the following is correct for thermistors?</p> <p>(A) Positive temp Coefficient of resistance</p> <p>(B) Negative temp Coefficient of resistance</p> <p>(C) None of the options</p> <p>(D) Positive or Negative temp Coefficient of resistance as per temperature</p>	(B)
302	11-02-2020	113	<p>What is the Common Mode Rejection Ratio?</p> <p>(A) Output of a differential amplifier</p> <p>(B) Ability of an amplifier to reject common mode signals</p> <p>(C) Ability of an amplifier to accept common mode signals</p> <p>(D) None of the options</p>	(B)
302	11-02-2020	114	<p>Which of the following cannot be treated as a requirement of the instrumentation amplifier?</p> <p>(A) Low drift</p> <p>(B) Low input impedance</p> <p>(C) High linearity</p> <p>(D) High CMRR</p>	(B)

302	11-02-2020	115	<p>Hall Effect is clearly visible in _____</p> <p>(A) Pure Conductors</p> <p>(B) Semiconductors</p> <p>(C) Metals</p> <p>(D) Insulators</p>	(B)
302	11-02-2020	116	<p>Which of the following devices can be used with both AC and DC?</p> <p>(A) Moving coil type</p> <p>(B) Moving iron type</p> <p>(C) PMMC</p> <p>(D) Induction type</p>	(B)
302	11-02-2020	117	<p>Which of the following represent a change of output voltage when load current is increased?</p> <p>(A) Line regulation</p> <p>(B) Load regulation</p> <p>(C) Current regulation</p> <p>(D) Voltage regulation</p>	(B)
302	11-02-2020	118	<p>What do you mean by duty cycle?</p> <p>(A) Ratio of off time and total time period</p> <p>(B) Ratio of on time and total time period</p> <p>(C) Ratio of On time and Off time</p> <p>(D) Ratio of Off time and On time</p>	(B)
302	11-02-2020	119	<p>_____ is used for measuring torque in rotating parts in machines.</p> <p>(A) Tachometer</p> <p>(B) Accelerometer</p> <p>(C) Voltmeter</p>	Question Withdrawn

			(D) Dynamometer	
302	11-02-2020	120	<p>What is the use of PWM technology?</p> <p>(A) To amplify output voltage</p> <p>(B) To reduce output voltage</p> <p>(C) For controlling supply voltage</p> <p>(D) For measuring voltage</p>	(C)
302	11-02-2020	121	<p>Codec equipment is used for _____</p> <p>(A) Signal coding</p> <p>(B) Signal decoding</p> <p>(C) Both Signal coding &amp; Signal decoding</p> <p>(D) None of the options</p>	(C)
302	11-02-2020	122	<p>Which of the following is caused by careless handling?</p> <p>(A) Systematic Error</p> <p>(B) Random Error</p> <p>(C) Temporary Error</p> <p>(D) Gross Error</p>	(D)
302	11-02-2020	123	<p>The main objective of a process control is _____</p> <p>(A) To control physical parameters</p> <p>(B) To control mechanical parameters</p> <p>(C) To control electrical parameters</p> <p>(D) To control optical parameters</p>	(A)
302	11-02-2020	124	<p>Platinum is used for industrial applications because _____</p> <p>(A) It is cheap</p>	(D)

			<p>(B) It is readily available</p> <p>(C) It is a noble element</p> <p>(D) It gives accurate measurements</p>	
302	11-02-2020	125	<p>What is the principle of operation of LVDT?</p> <p>(A) Self Inductance</p> <p>(B) Mutual inductance</p> <p>(C) Reluctance</p> <p>(D) strain</p>	(B)
302	11-02-2020	126	<p>TCP stands for _____</p> <p>(A) Tele Call Protocol</p> <p>(B) Transmission Control Protocol</p> <p>(C) Transmission Carry Protocol</p> <p>(D) Transmission Command Protocol</p>	(B)
302	11-02-2020	127	<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)
302	11-02-2020	128	<p>Gyroscopes are</p> <p>(A) Pressure sensors</p> <p>(B) Inertial sensors</p> <p>(C) Voltage sensors</p> <p>(D) Humidity sensors</p>	(B)
302	11-02-2020	129	<p>Which of the following effect is used in AC ammeters?</p> <p>(A) Magnetic effect</p>	(D)

			<p>(B) Chemical effect</p> <p>(C) Electrostatic effect</p> <p>(D) Electromagnetic effect</p>	
302	11-02-2020	130	<p>Determine the time period of a monostable 555 multivibrator.</p> <p>(A) <math>T=0.33RC</math></p> <p>(B) <math>T=3RC</math></p> <p>(C) <math>T=1.1RC</math></p> <p>(D) <math>T=RC</math></p>	(C)
302	11-02-2020	131	<p>What is the color code for a 220 ohm,5% resistor?</p> <p>(A) Red,Red,Black,Gold</p> <p>(B) Red,Red,Brown,Silver</p> <p>(C) Red,Red,Brown,Gold</p> <p>(D) Orange,Orange,Black,Gold</p>	(C)
302	11-02-2020	132	<p>What is the full form of SCADA?</p> <p>(A) Supervisory Column and Data Acquisition</p> <p>(B) Supervisory Column and Data Assessment</p> <p>(C) Supervisory Control and Data Acquisition</p> <p>(D) Supervisory Control and Document Acquisition</p>	(C)
302	11-02-2020	133	<p>The negative feed back in an amplifier</p> <p>(A) Reduces Voltage gain</p> <p>(B) Increases the voltage gain</p> <p>(C) Increases the gain band width product</p> <p>(D) Reduces the input impedance</p>	(A)
302	11-02-2020	134	Dipsticks are used for	(D)

			<p>(A) Pressure Measurement</p> <p>(B) Flow Measurement</p> <p>(C) Displacement Measurement</p> <p>(D) Level Measurement</p>	
302	11-02-2020	135	<p>The switchboard instruments should be mounted in ..... position.</p> <p>(A) Vertical</p> <p>(B) Horizontal</p> <p>(C) Non mounted</p> <p>(D) Ground</p>	(A)
302	11-02-2020	136	<p>The error between the mean of finite data set and mean of infinite data set is known as</p> <p>(A) True error of the mean</p> <p>(B) Standard error of the mean</p> <p>(C) Finite error</p> <p>(D) Infinite error</p>	(B)
302	11-02-2020	137	<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)
302	11-02-2020	138	<p>If a resistor suddenly decreases in value (resistance decreases), what will happen to the current through the resistor?</p> <p>(A) Increases</p> <p>(B) Remains unchanged</p> <p>(C) Decreases</p>	(A)

			(D) Fluctuates	
302	11-02-2020	139	<p>When using a standard multimeter to measure AC voltage, what type of measurement will the multimeter indicate?</p> <p>(A) peak-to-peak</p> <p>(B) peak</p> <p>(C) average</p> <p>(D) rms</p>	(D)
302	11-02-2020	140	<p>In piezoelectric strain transducer, voltage developed is _____ to strain applied.</p> <p>(A) Independent</p> <p>(B) Equal</p> <p>(C) Inversely proportional</p> <p>(D) Directly proportional</p>	(D)