Subject Code : 104

Subject Code	Exam Date	Q Id	Questions	Answer Key
104	17-12-2020	91	Which state first launched a project that aims to provide free internet access to the poor in the State? (A) Sikkim (B) Kerala (C) Karnataka (D) Assam	(B)
104	17-12-2020	92	Name the first cricketer to score 1000 runs in an innings in any competitive match. (A) Prithvi Shaw (B) Pranav Dhanawade (C) Virat Kohli (D) Shikhar Dhawan	(B)
104	17-12-2020	93	Who is said to be the father of Indian Space Programme? (A) A P J Abdul Kalam (B) Rakesh Sharma (C) Vikram Sarabhai (D) Homi Bhabha	(C)
104	17-12-2020	94	The most common cause of anaemia in our country is due to deficiency of …… (A) Potassium (B) Calcium (C) Magnesium (D) Iron	(D)

104	17-12-2020	95	The first woman film star nominated to the Rajya Sabha was (A) Nargis Dutt (B) Shabana Azmi (C) Madhubala (D) Meena Kumari	(A)
104	17-12-2020	96	The total ages of Ankit , Narendra and Satendra is 96 years. Five years ago, the ratio of their ages was 2 : 3 : 4. What is the present age of Satendra? (A) 21 years (B) 32 years (C) 41 years (D) 53 years	(C)
104	17-12-2020	97	33.003 × 32.998 + 99.910 = ? (A) 1190 (B) 1540 (C) 1209 (D) 1230	(A)
104	17-12-2020	98	(4 / 5) × ? × (3 / 7) = (16 / 105) (A) 8/9 (B) 5/7 (C) 4/9 (D) 3/7	(C)
104	17-12-2020	99	Average of the present ages of husband, wife and their child is 38 years. At the time of birth of the child, average age of the husband and wife was 39 years. Find the present age of the child. (A) 7 years	(B)

			(B) 12 years (C) 9 years (D) 10 years	
104	17-12-2020	100	Find a number such that when 15 is subtracted from 7 times the number, the result is 10 more than twice the number. (A) 5 (B) 10 (C) 15 (D) 20	(A)
104	17-12-2020	101	Which of the following error is caused by poor calibration of the instrument? (A) Random error (B) Gross error (C) Systematic error (D) Precision error	(C)
104	17-12-2020	102	In a measuring system what is the term used to specify a difference between higher and lower calibration values? (A) Range (B) Span (C) Drift (D) Threshold	(B)
104	17-12-2020	103	Which of the following is an analog transducer? (A) Encoders (B) Strain gauge (C) Digital tachometers (D) Limit switches	(B)

104	17-12-2020	104	Which of the following can be measured using a Wheatstone bridge? (A) Resistance only (B) Capacitance only (C) Inductance only (D) Resistance, capacitance, inductance, impedance	(D)
104	17-12-2020	105	What happens to the viscosity of liquid and gas when the temperature is increased? (A) Both increases (B) Both decreases (C) For liquid increases and for gas decreases (D) For liquid decreases and for gas increases	(D)
104	17-12-2020	106	Which of the following represents the correct relation between flow rate and area of pipe? (A) Direct proportionality (B) Inverse proportionality (C) Equal (D) No relation	(A)
104	17-12-2020	107	Which of the following devices can be used for measuring torque? (A) Helical spring (B) Flat spiral spring (C) Bellows (D) Diaphragm	(B)
104	17-12-2020	108	Which of the following devices convert pressure to displacement? (A) Diaphragm	(D)

			(B) Bellow (C) Capsule (D) Both diaphragm and capsule	
104	17-12-2020	109	Which of the following cannot be treated as a requirement of the instrumentation amplifier? (A) Low drift (B) Low input impedance (C) High linearity (D) High CMRR	(B)
104	17-12-2020	110	When calibrating an instrument,you may detect the presence of hysteresis error by (A) Comparing the instrument against a known standard that is free from any hysteresis (B) Comparing accuracy at certain points both going up and down the calibration scale (C) Measuring error before and after turning the deadband adjustment screw (D) Checking for calibration drift at certain points over long period of time	(B)
104	17-12-2020	111	Which of the following represents Reynolds number for laminar flow? (A) Less than 2000 (B) In between 2000 and 4000 (C) Greater than 4000 (D) None of the options	(A)
104	17-12-2020	112	Which measures velocity at a point of fluid in a stream? (A) Venturi meter (B) pH meter	(C)

			(C) Pitot Static tubes (D) Sensor	
104	17-12-2020	113	OTDR Stands for (A) Optical Time Data Registers (B) Optical Time Domain Reflectometer (C) Optical Transfer Data Rate (D) Optical Transfer Data Register	(B)
104	17-12-2020	114	Gyroscopes are (A) Pressure sensors (B) Humidity sensors (C) Inertial sensors (D) Voltage sensors	(C)
104	17-12-2020	115	In a measurement system, quantity under measurement is termed as (A) Sensor (B) Measurand (C) Controller (D) Indicator	(B)
104	17-12-2020	116	In a measurement system, what is the term used to specify the closeness of two or more measurements (A) Threshold (B) Fidelity (C) Precision (D) Accuracy	(C)
104	17-12-2020	117	SI Unit of light is (A) Decibel	(B)

			(B) Candela (C) Ampere (D) Lux	
104	17-12-2020	118	Zero initial condition for a system means (A) System is at rest and no energy is stored in any of its components (B) Zero stored energy (C) Input reference signal is zero (D) System is at motion	(A)
104	17-12-2020	119	Mention the sequence in increasing order of accuracy in traceability ladder a) Primary Standard b) Transfer Standard c) Laboratory Standard d)Element to be calibrated (A) d->c->b->a (B) d->b->c->a (C) d->a->b->c (D) d->b->a->c	(A)
104	17-12-2020	120	Which of the following represent active transducer? (A) Strain Gauge (B) Thermistor (C) LVDT (D) Thermocouple	(D)