

- Q.6 The output of Turbine Flow meter is _____
 a) Digital b) Analog
 c) Both A and B d) None of these
- Q.7 Thermocouples are _____
 a) Passive Transducer b) Active Transducer
 c) Both A and B d) Output Transducer
- Q.8 A Reynold's number of 1000 indicates
 a) Turbulent b) Laminar
 c) Both A and B d) None of These
- Q.9 The output of Electromagnetic Flow meter is unaffected by changes in characteristics of liquid _____.
 a) Viscosity b) Pressure
 c) Temperature d) All of these
- Q.10 Thermistors are composed of metallic oxides such as _____
 a) Manganese b) Nickle
 c) Cobalt d) All of these

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Mention any one Process variable
- Q.12 Manometers are used for Pressure measurement (T/F)

- Q.13 Thermistors are used to detect very small changes in temperature (T/F)
- Q.14 Ultrasonic Flow meter utilizes _____ crystals.
- Q.15 Write shapes of bourdon tube available for pressure measurement.
- Q.16 Turbine flow meters are volumetric flow meters (T/F)
- Q.17 Write one advantages of Thermistor
- Q.18 Define Pressure
- Q.19 Bridgman gauge is used for measurement of _____ pressure.
- Q.20 Gamma rays are utilized for Level measurement T/F

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Mention units of Temperature
- Q.22 Define Pressure.
- Q.23 Explain any two process variable with their units.
- Q.24 Write short note on Thermistor.
- Q.25 Explain pressure measurement using any one elastic element.
- Q.26 Discuss Turbine Flow meter
- Q.27 Describe Buoyancy method for level measurement
- Q.28 Write short note on IR detector.