

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain the importance of instruments in Food Processing industries.
- Q.24 Name the various temperature measuring instruments and describe any one with the help of diagram.
- Q.25 Explain any one ultrasonic liquid level measurement technique.

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6th Sem / Food Technology

Subject : Instrumentation and Process Control

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which of the following is used to measure pressure?
- a) Thermistor b) Bourdon tube
c) LVDT d) Pyrometer
- Q.2 A control valve is used to regulate:
- a) Flow b) Temperature
c) Pressure d) All of the above
- Q.3 Feedback control is used to:
- a) Eliminate disturbances
b) Improve accuracy
c) Increase stability
d) All of the above

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- Q.4 Unit of temperature is _____
- a) Kilogram b) Meter
c) kelvin d) Mass/volume
- Q.5 Process control is helpful to improve _____
- a) Quality b) Wastage reduction
c) Cost reduction d) All of the above
- Q.6 Measurement of distance with the help of scale is known as _____
- a) Primary Measurement
b) Secondary measurement
c) tertiary measurement
d) None

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Name two temperature measuring instruments.
- Q.8 Define a sensor.
- Q.9 Give one example of domestic electric appliance in which Bimetallic Thermometer is used.
- Q.10 Name two types of control system.
- Q.11 Boiling point of water is _____ degree Kelvin.

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- Q.12 Name two types of bourdon tubes.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Define accuracy and precision with suitable examples.
- Q.14 Write the names of five types of instruments.
- Q.15 Define C-type bourdon tube with the help of diagram.
- Q.16 Classify the level measurement instruments.
- Q.17 With the help of neat diagram, explain the working of sight glass method of liquid level measurement.
- Q.18 Describe any one obstruction flow measurement instruments.
- Q.19 Write a short note on rotameter.
- Q.20 Draw diagram for float and chain liquid level gauge and label it.
- Q.21 Make a list of all pressure sensing devices.
- Q.22 Write short note on U tube manometer?

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