

V. P. & R. P. T. P. Science College
B.Sc. (Semester Six)
Thursday 14th March, 2014
(US06CICH05)
Industrial Instrumentation and Process control
Industrial Chemistry

Total Marks: [30]

Time: 03:30 to 05:00

Q-1 Answer any three of the following:

[06]

1. Explain Direct and indirect measuring devices.
2. List the various temperature scales.
3. Define pressure and list the various units of pressure.
4. Define gauge pressure and absolute pressure.
5. Give classification of orifice plate with figure.
6. Name Rate of flow measuring instruments.



Q – 2 Write note on: i) Bimetallic thermometer

[04]

ii) Optical pyrometer

[04]

OR

Q – 2 Write note on: i) Mercury in glass thermometer

[04]

ii) Thermal well

[04]

Q - 3 Give the classification of pressure measuring instruments and discuss in brief on Bourdon tube pressure gauge.

[08]

OR

Q – 3 Give the classification of level measuring methods and discuss in brief on Hook gauge.

[08]

Q – 4 Explain working and construction of venturimeter. Also write its advantages and disadvantages.

[08]

OR

Q – 4 Explain working and construction of orifice meter. Also write its advantages and disadvantages.

[08]