

V.P. & R.P.T.P. SCIENCE COLLEGE

B. Sc. (SEMESTER – 4)

Subject Code: USO4CICH02

INDUSTRIAL CHEMISTRY

17/03/2016 Thursday

TIME: - 03:00 pm to 04:30 pm

MARKS:-25

Q-1 Answer the following multiple choice questions.

(03)

1. Permanent hardness in water is caused by presence of
a. Calcium chloride b. Magnesium Sulphate
c. Both a & b d. None of these
2. The pressure at the outlet of a refrigerant compressor is called
a. Suction pressure b. Discharge pressure
c. Critical pressure d. Back pressure
3. The engine which use petrol as fuel is known as _____
a. Diesel engine b. Gas engine
c. Otto engine d. Steam engine



Q-2 Write the answer of following short question. (Any two)

(04)

1. Write the Clark's method for the determination of Hardness.
2. What is compressor and why it is also called as a heat pump?
3. Give the functions of boiler.

Q-3 Give the detail note on zeolite process.

(06)

OR

Q-3 Explain the lime-soda process.

(06)

Q-4 Explain multi-stage compressor and give its advantages.

(06)

OR

Q-4 Explain the work done by single stage, single acting reciprocating compressor without Clearance volume.

(06)

Q-5 Explain steam power plant by carnot cycle.

(06)

OR

Q-5 Write a note on the Otto engine.

(06)