



V.P. & R. P. T. P. SCIENCE COLLEGE
INDUSTRIAL CHEMISTRY VOCATIONAL
INTERNAL EXAM
B. Sc. Semester – III

COURSE NO: US03CICV21
DATE: 05-10-2019
TIME: 3:00 P.M TO 4:15 P.M

TOTAL MARKS – 25

- Q.1 Answer the following MCQs (05)
- Purest form of natural water is:
(a) River water (b) Rain water
(c) Sea water (d) Lake water
 - The pressure at the inlet of a refrigerant compressor is called:
(a) Suction pressure (b) Discharge pressure
(c) Critical pressure (d) Back pressure
 - The process includes both oxidation & nitration is _____
(a) Hydrolysis (b) Oxidation
(c) Oxy - nitration (d) Nitration
 - Sulfation involves placement of _____
(a) –OSO₂OH (b) R-O-SO₂OR
(c) –SO₂OH (d) None of these
 - Which of the following are oxidizing agent?
(a) Dichromate (b) Peroxide
(c) Permanganates (d) All of these
- Q.2 How is the softening of water carried out using the Zeolite process? (05)
OR
- Q.2 Explain advantages of solid, liquid and gaseous fuels over each other. (05)
- Q.3 Explain with the help of neat sketch, work done by single stage, single acting reciprocating Compressor without clearance volume. (05)
OR
- Q.3 Write note on Accessories of boiler. (05)
- Q.4 Discuss in detail manufacturing of nitrobenzene by continuous process using fortified spent acid. (05)
OR
- Q.4 Discuss manufacturing of benzene sulfonic acid process by barbet process. (05)
- Q.5 Write note on type of oxidative reaction. (05)
OR
- Q.5 Discuss manufacturing of vinyl acetate. (05)