



V.P. & R.P.T.P. SCIENCE COLLEGE
B.Sc. (Sixth Semester)
Internal Exam
Wednesday 08th March, 2017
Subject code: US06CICH03 (Polymer Technology)
Industrial Chemistry

Time: 11:00 am to 12:30 pm

Total Marks: 25

Q-1 Answer the following multiple choice questions: [03]

- I. _____ is an addition polymer.
a. Polyethylene b. Nylon c. PF resin d. None of these
- II. Reaction between diisocyanates and polyol produced _____.
a. Phenol-formaldehyde b. Polyurethane c. Phenolic d. all of these
- III. Low density Polyethylene prepared at _____ pressure process.
a. High b. Low c. Random d. Constant

Q-2 Answer the following short questions (Any Two) [04]

- I. Define Polymer and Repeating unit.
- II. Give application of Phenol formaldehyde.
- III. Enlist the various methods for polyethylene synthesis.

Q-3 Explain the classification of polymer based on thermal response and origine. [06]

OR

Q-3 Write a short note on Zeigler-Natta catalyst. [06]

Q-4 Explain the process of manufacturing phenol formaldehyde novalak resin. [06]

OR

Q-4 Describe the process of manufacturing polyurethane. [06]

Q-5 Explain the manufacturing of polyethylene. [06]

OR

Q- 5 Explain the manufacturing of Polystyrene. [06]