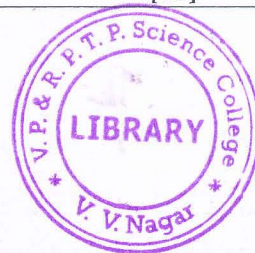


Q1.MCQ

[08]

1. Which of the following is a co polymer _____
a) ABS b) Bakelite. c) Polyethene d) Teflon.
2. Molecular mass of a polymer is _____
a) Small. b) Very small. c) Large. d) Negligible.
3. Formaldehyde is prepared by _____ process of Methanol
a) Oxidation b) Reduction c) Hydrogenation d) sulfonation
4. What is the Phenol formaldehyde ratio for production of resole?
a) 1: 1.4 b) 1:0.8 c) 8: 1 d) 1:1
- 5 Which of the following are Fluoro Polymer.
a) Poly (tetra-fluoro ethylene) b) Poly(Vinyl Fluoride) c) Poly(Vinylidene Fluoride) d) All of these
- 6 Acetylene on hydrogenation yield _____
a) Ethylene b) Propylene c) Methane d) Ethane
- 7) _____ is formed from dimethyl terphthalate and ethylene glycol.
a) Polyester b) Nylon-6 c) Saran d) Orlon
- 8) _____ solution may be used as the coagulant to give SBR.
a) Alum b) Silica c) Sulphuric acid d) Sodium carbonate.



Q.2 Answer the following in short.(Attempt five, each two marks)

[10]

- (1) Give the comparison of thermosetting & thermoplastic.
- (2) Give the name of method and techniques of polymerization.
- (3) Explain cumene Process for the preparation of Phenol for PF resin.
- (4) Draw the flow chart of urea formaldehyde resin.
- (5) Write brief about high-density polyethylene (HDPE).
- (6) Give the Application of PVA.
- (7) Write the Reaction for the synthesis of Nylon-66.
- (8) Write the different Grade of Nylon.

Q.3 Write a short note on Ziegler Natta catalyst.

[08]

OR

Q.3 Explain Bulk polymerization & solution polymerization techniques.

[08]

Q.4 Explain the Taffy process for the synthesis of epoxy resin.

[08]

OR

Q.4 Give the important properties & uses of urea formaldehyde Resin.

[08]

Q.5 Described the manufacturing process for LDPE by High-pressure process.

[08]

OR

Q.5 Write a note on PTFE.

[08]

Q6 Write a note on Styrene butadiene rubber.

[08]

OR

Q6 With suitable flow diagram explain the manufacturing of Polyester fiber

[08]