

- Q.26 Give the advantages and disadvantages of solution polymerization
- Q.27 Write the properties and uses of Polystyrene
- Q.28 Give the uses of urea formaldehyde resin and write its properties
- Q.29 What are plasticizers? Explain their working in brief
- Q.30 Give the importance of stabilizers in plastic industry
- Q.31 Discuss about the calendaring process for fabric industry
- Q.32 What is polymerization? Explain the term degree of polymerization
- Q.33 Write about injection molding process
- Q.34 Give the structure of nylon 66 with its two uses
- Q.35 Explain the effects of molecular weight on properties of polymer

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Write about the blow moulding process with its labelled diagram
- Q.37 Write properties and uses of polyvinyl chloride and explain its structure with its chemical formula
- Q.38 Write a short note on
- Coloring matters
 - Bakelite

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4th Sem / Chem

Subject:- Polymer Technology

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 SBR is a
- Natural rubber
 - synthetic polymer
 - another name of silicone rubber
 - a synthetic monomer
- Q.2 Epoxy resin is
- Not used for surface coating
 - a good abrasive
 - an elastomer
 - a polyester
- Q.3 Bakelite is a/an
- Additional polymer
 - elastomer
 - thermoplastic
 - none of these
- Q.4 _____ is a copolymer
- Nylon 66
 - PVC
 - neoprene
 - polythene

- Q.5 Silicon is a/an
- Monomer
 - inorganic polymer
 - thermoplastic material
 - natural polymer
- Q.6 Polythene is a/an
- addition polymerization product
 - thermosetting material
 - condensation polymerization product
 - none of these
- Q.7 _____ is a thermosetting plastic
- PVC
 - polythene
 - Bakelite
 - Polystyrene
- Q.8 Main constituent of cotton fiber is
- Lignin
 - cellulose
 - starch
 - gelatin
- Q.9 Teflon is
- Phenol formaldehyde
 - an organic polymer
 - polytetra fluorouethylene
 - none of these
- Q.10 Cellulose is the main constituent of the most _____ fiber
- Acrylic
 - spandex
 - synthetic
 - natural

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 What is thermoplastic?
- Q.12 What is the full form of LDPE?
- Q.13 Polymer made of more than one monomer are called?
- Q.14 Define the word viscosity
- Q.15 Name any two thermosetting plastics
- Q.16 What is the chemical formula of isoprene?
- Q.17 What are homopolymers?
- Q.18 Define bulk polymerization
- Q.19 Name any one biodegradable polymer
- Q.20 Give one example of solution polymerization

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Define the following term with one example
- Fiber
 - Monomers
- Q.22 Write the effects of molecular weight on the property of polymer
- Q.23 Explain in detail about addition polymerization
- Q.24 Give the brief description of co polymer
- Q.25 Differentiate between solution polymerization and emulsion polymerization