

- Q.27 Write short note on production of natural rubber.
- Q.28 Give preparation and properties of LDPE.
- Q.29 Write four applications of PMMA.
- Q.30 Give properties and applications of Melamine formaldehyde
- Q.31 State properties and applications of Nylon 6,6
- Q.32 Give properties and applications of Cellulose plastics.
- Q.33 Write short note on Polyurethane.
- Q.34 State properties and applications of Nitrile rubber
- Q.35 Explain preparation and properties of Poly carbonates

SECTION-D

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

- Q.36 Explain properties and applications of:
- Unsaturated polyester resin
 - LLDPE
- Q.37 Explain difference between thermoplastic and thermoset plastics.
- Q.38 Explain :
- PVC and its copolymers
 - Polystyrene and its copolymers

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Roll No.

3rd Sem / Plastic

Subject:- Plastic Materials and Properties - I

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 What is the approximate density of the polymer Poly-propylene?
- 1.8 g/cm³
 - 2.2 g/cm³
 - 0.90 g/cm³
 - 1.5 g/cm³
- Q.2 Name the polymer formed by the ring opening polymerization of caprolactum?
- nylon 6
 - nylon 6,6
 - Nomex
 - ABS
- Q.3 PET is mostly used in_____?
- aeroplane
 - Bottles
 - buckets
 - None of these
- Q.4 Which poly-ethylene material shows good chemical resistance?
- LLDPE
 - LDPE
 - HDPE
 - None of these

- Q.5 Which of the following is an example of thermoplastic resin?
- a) PE b) UF
c) MF d) Bakelite
- Q.6 Which of the following is an example of thermoset plastic resin?
- a) PE b) Nylon
c) PVC d) Bakelite.
- Q.7 Polyethylene thermoplastic material used for making
- a) Films b) Packaging bags
c) Chemical drums d) All of these
- Q.8 PMMA is _____ thermoplastic material.
- a) Transparent b) opaque
c) Both a & b d) None of these
- Q.9 _____ is an example of commodity plastic.
- a) Nylon b) PTFE
c) PE d) PEEK
- Q.10 Polyurethane cannot be used for making
- a) Mattresses & foam b) Coating material
c) Adhesives d) Bottles

SECTION-B

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

- Q.11 Give an important application of ABS.
- Q.12 Expand HIPS
- Q.13 Give two applications of SAN
- Q.14 Expand LLDPE
- Q.15 Density of HDPE is _____.
- Q.16 _____ is self extinguish in nature.
- Q.17 Acrylic is a common name of _____ material.
- Q.18 _____ is the monomer of PVC
- Q.19 State two applications of PP
- Q.20 Expand UMHWHDPE

SECTION-C

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

- Q.21 State various applications of HDPE.
- Q.22 Discuss preparation and applications of styrene butadiene rubber.
- Q.23 Explain properties and applications of Phenol formaldehyde.
- Q.24 Discuss properties and applications of PBT
- Q.25 Explain PVC and its copolymers.
- Q.26 Give properties and applications of ABS.