

- 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

No. of Printed Pages : 4 182235/122235/032235
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 ?

a) 1.8 g/cm³ b) 2.2 g/cm³
c) 0.90 g/cm³ d) 1.5 g/cm³

Q.2 Name the polymer formed by the ring opening polymerization of caprolactum?

a) nylon 6 b) nylon 6,6
c) Nomex d) ABS

Q.3 PET is mostly used in _____ ?

a) aeroplane b) Bottles
c) buckets d) None of these

Q.4 Which poly-ethylene material shows good chemical resistance?

a) LLDPE b) LDPE
c) HDPE d) 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 UMHWDPE

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.