

SECTION-D

Note: Long answer questions. Attempt any two questions out of three Questions. (2x8=16)

- Q.23 Explain properties and application of the following
a) Polyamides b) Polybutadiene
- Q.24 Give preparation, properties and application of Urea formaldehyde.
- Q.25 Explain properties and application of the following
a) ABS b) PET

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Roll No.

3rd Sem.

Branch : Plastic Technology

Sub.: Plastic Materials & Properties-I

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (6x1=6)

- Q.1 Density of High density polyethylene is
a) 0.94-0.96 g/cc b) 0.91 g/cc
c) 1.2 g/cc d) NOT
- Q.2 HIPS stands for?
a) High Impact polystyrene
b) High Impulse polystyrene
c) High Impact polysilane
d) NOT
- Q.3 Due to high clarity PMMA can be used for
a) Insulation wire b) Contact lenses
c) Construction d) NOT

Q.4 PVC is generally used for

- a) Packaging application
- b) Wire insulation
- c) Foam application
- d) NOT

Q.5 Polyamides are

- a) Nylon
- b) Cellulose
- c) Epoxy
- d) Not

Q.6 Which of the following is example of Elastomer

- a) Poly butadiene
- b) Ethylene propylene – diene monomer
- c) Nitrile butadiene rubber
- d) All of above

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Give two application of NBR Rubber.

Q.8 Write chemical name of Bakelite.

Q.9 Write two application of chloroprene.

Q.10 Expand EDPM_____.

Q.11 Give two example of commodity plastic.

Q.12 Write two properties of PVC.

SECTION-C

Note: Short answer type Questions. Attempt any eight questions out of ten Questions. (8x4=32)

Q.13 Explain properties and applications of HDPE.

Q.14 Explain properties and uses of silicon rubber.

Q.15 Compare properties of LDPE and LLDPE.

Q.16 Differentiate between thermoplastic and thermosetting plastic with example.

Q.17 Explain cellulose Plastics and their types.

Q.18 Give four applications of polypropylene.

Q.19 What is Natural Rubber explain its properties.

Q.20 Explain properties and application of PMMA.

Q.21 Explain properties and application of polyurethanes.

Q.22 Give various application of PVC.