

articles, (ix) Telecommunication and (x) Photography etc.

QUESTIONS

- 1. Write down the names and structural formula for the monomers from which the following polymers are made of :**
(a) Terylene (b) Teflon (c) PVC (d) Nylon 66
(e) Bunarubber (f) Polystyrene (g) Saran
- 2. What are plastics ? How are they classified ? Describe the applications of plastics in daily life.**
- 3. Write short notes on the following :**
 - (1) Vulcanisation of rubber
 - (2) Thermoplastics and thermosetting plastics
 - (3) Ziegler-Natta polymerisation
- 4. How will you differentiate between :**
 - (1) Polymer and plastic
 - (2) Polymerisation and vulcanisation
 - (3) Rubber and Gutta parcha
 - (4) Polythene
 - (5) Orlon
- 5. Write down the names and structure of the polymers which are prepared from the following monomers :**
 - (1) Methyl methacrylate
 - (2) Caprolactum
 - (3) Styrene
 - (4) Isoprene
 - (5) Vinyl chloride
 - (6) Adipic acid + Hexamethylenediamine
 - (7) Ethylene glycol + Tere phthalic acid
- 6. Write down the names and structure of the monomers from which the following are made :**
 - (1) Buns-s Rubber
 - (2) Perpex
 - (3) PVC
 - (4) Teflon

Synthetic Polymers

8. Which of the following polymer contain nitrogen :

- (i) PVC
- (ii) Teflon
- (iii) Nylon
- (iv) Terylene

Ans. (iii) It is an amide polymer.

9. Adipic acid reacts with hexamethylene diamine to form :

- (i) Bakelite
- (ii) Nylon-6,6
- (iii) Terylene
- (iv) Nylon-6,8

Ans. (ii) This is found experimentally.

10. Ethylene glycol reacts with dimethyl terephthalate to form :

- (i) Nylon-6,6
- (ii) Teflon
- (iii) Dacron
- (iv) Orlon

Ans. (iii) Experimentally seen.

