CHEMISTRY

BOOKS - OSWAAL PUBLICATION CHEMISTRY (KANNADA ENGLISH)

POLYMERS

Very Short Answer Type Questions

1. Which of the following is natural polymer.

Buna-S Protein, PVC ?

2. Based on molecular forces what type of polymer is neoprene?

3. Which of the following is a fibre : Nylon, Neoprene, PVC?

4. Give one example of condensation polymer.
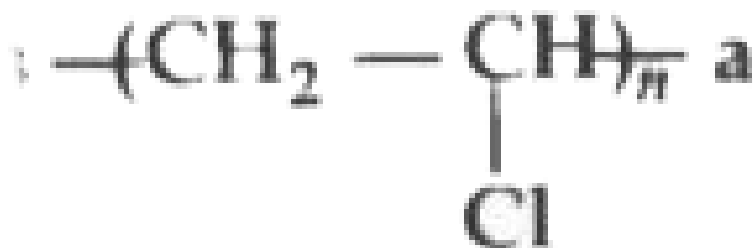
$$\text{--}(CH_2 \text{---} \underset{\underset{Cl}{|}}{CH})_{\overline{n}} \; a$$

5. Is a

homopolymer or copolymer ?

6. Draw the structure of the monomer for the following polymer : Polypropene.

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Short Answer Type Questions

1. Write the names of monomers used for getting following polymers :

(i) Bakelite, (ii) Neoprene.

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2. Write the name of monomers used for getting the following polymers:

(i) Terylene

(ii) Nylon 6, 6

3. Write the name of monomers used for getting the following polymers :

(i) Teflon, (ii) Buna-S.

4. Define the thermoplastic and thermosetting

polymers. Give one example of each.

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5. What is biodegradable polymer ? Give an

example of a biodegradable aliphatic

polyester.

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6. Write the structure of repeating monomeric units of :

(i) Dacron,

(ii) Neoprene,

(iii) Polyvinyl chloride,

(iv) Teflon.

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7. Draw the structures of the monomers of the following polymers :

(i) Bakelite,

(ii) Nylon-6.

8. White the names and structures of the monomers of the following polymers :

(i) Polystyrene, (ii) Dacron, (iii) Teflon,

9. What is natural rubber : Explain the structure of natural rubber.

Long Answer Type Questions I

1. What is natural rubber ? What is vulcanisation of rubber ? How is it carried ?

1. (a) Write the partial structure of

(i) Neoprene

(ii) Terylene (Dacron)

(iii) Nylon-6

(b) Explain the preparation of Buna-N with equation.

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2. (a) (i) Explain the preparation of Buna-N

(ii) Give an example for thermosetting polymer.

(b) Name the monomers used in the preparation of polythene and natural rubber.