



CHEMISTRY

BOOKS - MBD -HARYANA BOARD

POLYMERS

Objective Type Questions

1. Plastic is :

A. Natural polymer

B. Semi-synthetic polymer

C. Synthetic polymer

D. None of these

Answer: C



View Text Solution

2. Nylon-6 is made of :

A. starch

B. Chloroprene

C. Adipic acid

D. Caprolactum

Answer: B



View Text Solution

3. Chloroprene is the repeating unit of :

A. Polystyrene

B. Neoprene

C. PVC

D. Polythene

Answer: B



View Text Solution

4. Which is a condensation Polymer ?

A. PVC

B. Teflon

C. Bakelite

D. None of these

Answer: C



View Text Solution

5. Monomer of PVC is :

A. Ethylene

B. Vinyl chloride

C. Starch

D. Styrene

Answer: B



[View Text Solution](#)

6. Which of the following is a synthetic polymer ?

A. Cellulose

B. Starch

C. PUC

D. Protein

Answer: C



7. Dacron is a condensation polymer of terephthalic acid and :

A. Ethylene glycol

B. Aniline

C. Benzyl alcohol

D. Formaldehyde.

Answer: A



8. Cellulose is a :

- A. Natural polymer
- B. Semi-synthetic polymer
- C. Synthetic polymer
- D. None of these

Answer: A



View Text Solution

9. Monomer of Nylon -6 is :

A. Adipic acid

B. Caprolactum

C. Styrene

D. None

Answer: B



View Text Solution

10. Bakelite is :

A. Additional polymer

B. Elastomer

C. Thermoplastic polymer

D. Thermosetting polymer

Answer: D



View Text Solution

11. Monmer of PVC is :

A. Ethene

B. Tetrafluoroethene

C. Chloroethene

D. None

Answer: C



View Text Solution

12. Which is not a condensation polymer ?

A. Nylon-66

B. Glyptal

C. Dacron

D. PTFE (Polytetrafluoroethene)

Answer: D



View Text Solution

13. Monomer of Teflon is :

A. Ethylene

B. Tetrafluoroethene

C. Chloroethene

D. None

Answer: B



View Text Solution

14. Natural rubber is a polymer of :

A. Butadiene

B. Ethylene

C. Isoprene

D. Neoprene

Answer: C



View Text Solution

15. Polystyrene is a :

- A. Addition polymer
- B. Thermoplastic polymer
- C. Both (A) and (B)
- D. None of these

Answer: C



[View Text Solution](#)

16. Thermosetting polymer is a :

A. Bakelite

B. Polythene

C. Polyester

D. Buna-N

Answer: A



[View Text Solution](#)

Very Short Answer Questions

1. What are the monomers of nylon-66 ?



[View Text Solution](#)

2. What are the monomers of bakelite ?



[View Text Solution](#)

3. What are the monomers of terylene ?



[View Text Solution](#)

4. Name the monomers used in Nylon-66.



[View Text Solution](#)

5. What are homopolymers and copolymers ?



[View Text Solution](#)

6. Write the name and structure of one of the common initiators used in free radical addition polymerisation.



[View Text Solution](#)

7. Write the monomers used for getting the following polymers :

(i) Polyvinyl chloride (ii) Teflon (iii) Bakelite



[View Text Solution](#)

8. Define the term polymerisation .



[View Text Solution](#)

9. How do you explain the functionality of a monomer ?



[View Text Solution](#)

10. What are the monomers of Buna -S ?



[View Text Solution](#)

11. What are the monomers of bakelite ?



View Text Solution

12. What is PVC ? Give one use of it.



View Text Solution

13. How is polythene prepared ?



View Text Solution

14. Give structure of monomer unit of Nylon-6 .



[View Text Solution](#)

15. Name the polymer used for making non-stick cooking utensils.



[View Text Solution](#)

16. Name the starting material for preparing PVC.



View Text Solution

17. What are thermoplastics ?



View Text Solution

18. Why the molecular weights of synthetic polymers are expressed as an average

molecular weight ?



[View Text Solution](#)

19. Name the synthetic material for preparing Nylon-66.



[View Text Solution](#)

Short Answer Type Questions

1. What are condensation polymers ? Give two examples.



[View Text Solution](#)

2. What are addition polymers ? Give two examples.



[View Text Solution](#)

3. Explain Thermosetting plastics.



[View Text Solution](#)

4. What are biopolymers and biodegradable polymers ? Give two examples.



[View Text Solution](#)

5. How can you differentiate between addition and condensation polymerisation ?



[View Text Solution](#)

6. What are homopolymers ? Give examples ?



[View Text Solution](#)

7. What are biodegradable polymers ? Give two examples.



[View Text Solution](#)

8. State the significance of number in polymer names Nylon-6 and Nylon-66 .Write the

monomers used for making Nylon-66.



[View Text Solution](#)

9. Write the monomers of the following : (i)

Teflon

(ii) Cellulose

(iii) Neoprene (iv) Polythene.



[View Text Solution](#)

10. Write IUPAC name of the monomer of natural rubber.



View Text Solution

11. Give any one of the commercial names of PMMA. State its two important uses.



View Text Solution

12. How is dacron prepared ? Which film is used in making magnetic recording tapes ?



View Text Solution

13. Write the names and structures of the monomers of each of the following polymers :

(i) Natural rubber (ii) Buna-S



View Text Solution

14. Explain the term copolymerization and give two examples.



[View Text Solution](#)

Long Answer Type Question

1. Differentiate between addition and condensation polymerisation with the help of a suitable example.



[View Text Solution](#)

2. How are polymers classified on the basis of intermolecular forces of attraction ?

 [View Text Solution](#)

3. Define the following terms :

(i) Elastomers

(ii) Fibres

(iii) Thermoplastics

(iv) Thermosetting polymers

 [View Text Solution](#)

4. Explain chain growth polymerisation and step growth polymerisation.



[View Text Solution](#)

5. Explain the difference between chain and step growth polymerisation.



[View Text Solution](#)

6. Give the methods of preparation of PVC and PTFE. Also give their uses.



[View Text Solution](#)

7. What is PHBV ? How it is synthesized ? What are its uses ?



[View Text Solution](#)

8. (a) What are polyolefins ?

(b) Name two polyolefins and give their preparation and uses.



View Text Solution

9. Give the synthesis of melamine formaldehyde resin. Mention its uses.



View Text Solution