

## Chapter-1

### Worksheet-1

Q.1. Fill in the blanks with appropriate words.

- (a) Synthetic fibres are also called \_\_\_\_\_ or \_\_\_\_\_ fibres.
- (b) Synthetic fibres are synthesised from raw material called \_\_\_\_\_.
- (c) Like synthetic fibres, plastic is also a \_\_\_\_\_.

Q.2. Match the terms of Column I correctly with the phrases given in Column II.

Column I	Column II
(a) Polyester	(i) Prepared by using wood pulp
(b) Teflon	(ii) Used for making parachutes and stockings
(c) Rayon	(iii) Used to make non-stick cookwares
(d) Nylon	(iv) Fabrics do not wrinkle easily

Q.3. Fill in the blanks with appropriate words.

- (a) A polymer is a chain of many small units joined together which are called \_\_\_\_\_.
- (b) The first fully synthetic fibre was \_\_\_\_\_.
- (c) A fibre similar to wool is \_\_\_\_\_.
- (d) A plastic used for making crockery is \_\_\_\_\_.

Q.4. Indicate whether the following statements are True or False.

- (a) The fabric terywool is obtained by mixing terylene and wool.
- (b) Synthetic fibres do not melt on heating.
- (c) It is risky to wear synthetic clothes while working in the kitchen.
- (d) Most of the plastics are biodegradable.

Q.4. Match items in List A with the items of List B.

List A

List B

- |                            |                        |
|----------------------------|------------------------|
| (a) Nylon                  | (i) Non-stick coating  |
| (b) PET                    | (ii) Electric switches |
| (c) Rayon                  | (iii) Parachutes       |
| (d) Thermosetting plastics | (iv) Polyester         |
| (e) Teflon                 | (v) Artificial silk    |

Q.5. Which of these fibres is made from a raw material obtained from plants?

- (a) Rayon
- (b) Nylon
- (c) Polyester
- (d) Terylene

Q.6. Polycot is a mixture of wool and polyester. (True/False)

Q.7. \_\_\_\_\_ is a synthetic fibre made from cellulose.

Q.8. What is the other name for artificial silk?

- (a) Nylon
- (b) Rayon
- (c) Acrylic
- (d) Polyester

Q.9. Polymers are made up of small units called

- (a) layers
- (b) molecules
- (c) cells
- (d) monomers

Q.10. Melamine is

- (a) thermoplastic polymer
- (b) thermosetting polymer
- (c) fibre
- (d) elastomer

Q.11. What are polymers?

Q.12. What is cellulose?

Q.13. List the two ways in which synthetic fibres can be synthesised.

Q.14. What is rayon?

Q.15. List two uses of rayon. List any two properties of rayon.

Q.16. Draw a diagram to show the:

(a) linear arrangement of units in plastic.

(b) cross-linked arrangement of units in plastic.

Q.17. Write some advantages of synthetic fibres.

Q.18. What are plastics?

Q.19. What are thermosetting plastics?

Q.20. What is plasticity?