

**Q1. Choose the correct option :**

1. The first fully man-made fiber was

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

2. Rayon is obtained by chemical treatment of

- (a) Paper                      (b) Wood pulp                      (c) Fruit pulp                      (d) Any of these

3. Which of the following is not a synthetic fiber?

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

4. Which of the following is a polyester fiber?

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

5. Synthetic fiber which resembles with wool is

- (a) Nylon                      (b) Polycot                      (c) Polytester                      (d) Acrylic

**.Q2. Answer the following in brief :**

- a) Name the process of formation of polymer from its monomer.  
b) What are blended fibres? Give any two examples.

**Q3. Give reasons for the following :**

- a) Nylon is used in making socks.  
b) Polyester is used for making sails for boats.  
c) Synthetic fabric is uncomfortable during summers.  
d) Terylene clothes should not be worn while working in kitchen.

**Q4. Name the monomer unit of the following :**

- a) Cellulose  
b) Polyester  
c) P.V.C.  
d) Polyethene

**Q5. Differentiate between :**

- a) Thermoplastics & Thermosetting plastics  
b) Synthetic fibres & natural fibres  
c) Biodegradable & non-biodegradable materials

Q6. Why are plastics preferred to natural materials?

Q7. What do the 4 R's in 4R principle stand for?

Q8. Manufacturing synthetic fibres is actually help in the conservation of forests. Comment.

Q9. Why do we use melamine for making kitchenware?

**Q10. Write full forms of :**

- a) P.V.C.                      b) P.E.T.