**NORTH POINT SENIOR SECONDARY BOARDING SCHOOL**

**WORKSHEET**

**CLASS - IX**

**MATHS**

**CHAPTER: 3**

**TOPIC: SYNTHETIC FIBRES AND PLASTICS.**

**WORK SHEET NO: 1.**

1. What are synthetic fibres?

Answer: Artificially designed man-made fibres are called synthetic fibres.

2. What is a monomer?

Answer: The smallest possible repeated basic unit of a polymer is known as monomer.

3. What is a polymer?

Answer:  A useful chemical made of many repeated basic units (monomer).

4. What is polymerisation?

Answer: The process of combining the monomer units into a large polymer is called polymerization.

5. Give examples of some natural polymer.

Answer: Haemoglobin, protein, cotton, jute, carrot. Hair. Starch, cellulose mainly.

6. What is rayon?

Answer: Rayon is an artificially designed or manmade fibre made from ‘wood pulp’.

7. What is the use of Rayon?

Answer: Rayon is used to make fabrics for shirts, ties, carpet mainly.

8. Give examples of different varieties of rayon.

Answer: viscose, cupro, and acetate rayon.

9. Why is rayon preferred over other clothes made of other synthetic fabrics?

Answer: Because of the property of absorbing moisture, clothes made of rayon can absorb sweat and are therefore preferred over other clothes made of other synthetic fabrics.

10. When was nylon made first?

Answer: Nylon was made first in 1931.

11. How was nylon made first?

Answer: Nylon was made first from coal, water, and air.

12. What is the use of nylon?

Answer: Nylon is extensively used to make clothes, socks, ropes, tents, parachutes and a wide variety of articles.

**HOME-WORK**

1. What are the monomers of nylon?

2. Why is nylon riot?

3. Which artificial fibre is shiny and lustrous?

4. Why do rayon clothes flourish the marker?

5. Why should we use artificially designed fibres?

6. What is the monomer of cellulose?

7. What are the constituents of bed linen and carpets?

8. What are the monomers of protein?

9. Which property of nylon enables it to be extensively used to make clothes, socks, ropes tents, and parachutes?

10. The name polymer had been derived from which two Greek words?