**SAINIK SCHOOL GOPALGANJ**

**SCIENCE ASSIGNMENT- 3**

**Name of Chapter: Synthetic Fibres and Pslastic**  **Class: VII**

Answer all the questions of the assignment

Choose the Correct Option from the given choices**.**

1. **Multiple Choice Questions:**

i. The small units used in making synthetic fibres are.

(a)  Molecules

(b)  Polymers

(c)  Cells

(d)  None of these

ii. The first ever made man-made fibre is:

 (a)  Nylon

(b)  Polyester

(c)  Rayon

(d)  Cotton

iii. The raw materials used in making nylon

(a) Wood pulp

(b) Cellulose

(c) Coal, water, air

(d) All of these

iv. The plastics which do not remould again on heating are called:

       (a)  Thermosetting plastics

(b)  Thermoplast plastics

       (c)  Both of these

(d)  None of these.

v. A synthetic fibre which works like wool.

       (a)  Nylon

(b)  Polyester

(c)  Acrylic

(d)  PVC.

1. **Fill in the blanks:**
2. ---------made from both synthetic and natural fibers.
3. ---------- is the another name of lycra.
4. ---------- fibre is also called artificial silk.
5. Electrical switches are made of ----------.
6. The process of combining monomers to form a long chain polymer is called-------.
7. Rayon is a fibre regenerated from---------.
8. ------------ is often used to make mink blankets.
9. ------------ is used as a coating on the surface of non- stick frying pans.
10. -----------synthetic fiber is commonly used to make strong ropes.
11. ---------- are long- chain polymer made by linking of several glucose units.
12. ----------plastics are set into a particular shape cannot be remolded again and again.
13. ---------- is important raw material for synthetic fibres.
14. Plastic are an example of \_\_\_\_\_\_\_\_\_\_\_ substances.
15. Themocol is made from--------- plastic material.
16. Plastics are polymers that can be --------- and ---------- into any desired shape.
17. **Short Answer Type Questions:**
18. What is a polymer? Give examples
19. Name two natural polymers and name their monomer unit.
20. List two ways in which synthetic fibre can be synthesized.
21. Which fibre is called as ‘regenerated fibre’ and why?
22. Name the raw materials used to make rayon
23. Which synthetic fibre is used to make parachutes and mountaineering ropes. Why is that fibre used in making them?
24. What is PET? What is it used for?
25. What is PTFE? Where is it used for?
26. What is it advised not to wear synthetic fabrics while firing crackers?
27. Write some properties and uses of melamine and acrylic
28. **Long Answer Type Questions:**
29. Describe about nylon. Write about its property and uses.
30. Write the advantages of synthetic fibre
31. Explain three disadvantages of synthetic fibre used to make fabric
32. Which synthetic fibre is called as a ‘ wash and wear’ fabric or ‘ready to wear fabric’. Why is it called so?
33. Differentiate between thermosetting and thermoplastics. Give its examples
34. Diagrammatically represent thermoplastic and thermosetting plastics polymer
35. List the common varieties of polyester. Also mention the natural fibres which are used for blending ester for enhancing its properties.
36. Explain the properties of plastics
37. Plastics are a hazard to the environment. Explain the statement and write what are the major problems due to plastics
38. List the strategies of plastic waste management.