PERL EDUCATION
DPP
DAILY PRACTICE PAPER

SYNTHETIC FIBRE AND PLASTIC

CLASS - 8TH CBSE
CHEMISTRY

➢ **Multiple choice question**

1. Synthetic fibre is/are -
   (a) Rayon
   (b) Spandex
   (c) Polyesters
   (d) all of these

2. Which one of these is a type of nylon -
   (a) Nylon-4
   (b) Nylon-5
   (c) Nylon-6
   (d) Nylon-7

3. Synthetic fibre are -
   (a) Lightweight
   (b) having insulating property
   (c) Tough
   (d) All of these

4. Synthetic fibre having reactivity towards -
   (a) Air
   (b) Water
   (c) both A and B
   (d) none of these

5. Acrylic fibre used for making -
   (a) Water hoses
   (b) Sarees
   (c) Curtains
   (d) Sweaters

6. Rayon is used for making
   (a) Fabric
   (b) Carpets
   (c) Cord
   (d) All of these

7. Nylon is used for making -
   (a) Leg wear
   (b) Fabricating sheets
   (c) Neck ties
   (d) All of these

8. Nylon is -
   (a) Man-made fibre
   (b) Natural fibre
   (c) Both A & B
   (d) Mix of two natural fibre

9. ………………. closely resembles to wool in its properties.
   (a) Orlon
   (b) Acrilan
   (c) Acrylic
   (d) All of these

10. Which fibre while burning give smell of burning paper ?
    (a) Polyester
    (b) Cotton
    (c) Rayon
    (d) Acrylic

11. Which of the following plastic is a thermo-setting plastic ?

    (a) PVC
    (b) Polystyrene
    (c) Polyethylene
    (d) Bakelite

12. ……………………. is used for making disposal cups ?
    (a) LDPE
    (b) PS
    (c) PP
    (d) PVC

13. Which thermoplastic is known as thermocole ?
    (a) Polystyrene
    (b) PVC
    (c) Teflon
    (d) Polythene

14. Fibre obtained by chemical treatment of wood pulp is called

   (a) Natural silk   **(c)** Nylon

   (b) Rayon   **(d)** Polyester

15. Which one is hard & stiff in nature ?

   (a) Polystyrene   **(c)** Bakelite

   (b) Acrylic   **(d)** Polythene

16. Which one is used for making shoes ?

   (a) Bakelite   **(c)** Teflon

   (b) Melamine   **(d)** PVC

17. Acrylic used for making

   (a) Shawls   **(c)** Lenses

   (b) Water pipes   **(d)** Non stick cookware

18. Most widely produced plastic for making bucket is

   (a) Polythene   **(c)** PVC

   (b) Polypropylene   **(d)** Polystyrene

19. Which one is used for an insulation of wire ?

   (a) Polystyrene   **(c)** Teflon

   (b) PVC   **(d)** Acrylic

20. Which of the following is a polymer of tetrafluroethene ?

   (a) PVC   **(c)** Bakelite

   (b) Teflon   **(d)** Nylon

➢ **Solve this question**

1. **Explain what are thermoplastics and thermo setting plastics.**
2. **Give reason why electric wire has plastic coating.**
3. **Why it is advise not to wear nylon clothes during cooking ?**
4. **What is the solution of the problems associated with plastic disposal ?**
5. **Explain the statement "Plastics are non-corrosive".**
6. **What are the source of raw material for synthetic fabrics ?**
7. **A fibre 'X' which have very high tensile strength & used in parachutes. Identify the fibre 'X' & write all properties of it.**
8. **What do you mean by Natural fibres ? Give examples.**
9. **Explain why some fibres are termed as synthetic.**
10. **Why is rayon called Artificial Silk ? Give reason.**

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1. Identify the product based on the given features.

    I. It is a man-made product.

    II. It has a linear arrangement of monomer units.

    III. It is used for making goods like toys, combs, containers, etc.

    A. Lycra

    B. Rayon

    C. Thermosets

    D. Thermoplastics

2. _____ is the first fully synthetic fiber.

    A. Acrylic

    B. Polyester

    C. Nylon

    D. Rayon

3. A polymer is a large molecule composed of many repeated units. What is polyester composed of?

    A. Ether

    B. Cellulose

    C. Amino acids

    D. Ester

4. Which of the following material is a mixture of two fibres?

    A. Jute

    B. Polywool

    C.. Polyester

    D. Nylon

5. Identify the synthetic fibre which resembles wool.

    A. Rayon

    B. Terylene

    C. Nylon

    D. Acrylic

6. Which of the following fibers is used for making parachutes?

    A. Plastic

    B. Terelyne

    C. Nylon

    D. Steel

7. One of the advantages of nylon over rayon is that nylon:

    A. Is wrinkle free?

    B. Has low elasticity

    C. Is a natural fiber?

    D. Is a good conductor of electricity?

8. Which of the following is not manufactured from high-density polythene?

    A. Containers

    B. Pipes

    C. Candles

    D. Toys

9. Fibers of _____ resemble that of silk and hence, it is popularly known as 'artificial silk'.

    A. acrylic

    B. polyester

    C. rayon

    D. nylon

10. Firefighters' uniform is coated with a plastic that is fire resistant. Identify the plastic from the given options.

    A. Teflon

    B. Melamine

    C. PET

    D. Polyester

11. Identify the type of plastic that can best be used to make electrical switches.

    A. PVC

    B. Polythene

    C. PET

    D. Bakelite

12. Modern non-stick cookware and the flat end of an electric iron has a coating of a polymer. Identify the name of the polymer.

    A. PVC

    B. Rayon

    C. Teflon

    D. Polyester

13. Which one of the following is a thermosetting plastic?

    A. PET

    B. Acrylic

    C. Melamine

    D. Polylactide

14. Terylene is a popular form of

    A. Polyester

    B. Monomer

    C. Plastic

    D. Nylon

15. Select the correct option from the given statements.

    A. Polymers cannot form fibres

    B. Polymers can be both natural and synthetic

    C. Polymer is a natural substance

    D. Polymer is a synthetic substance

16. Which of the following groups contain only synthetic fibres?

    A. Nylon, Terylene, Wool

    B. Cotton, Polycot, Rayon

    C. PVC, Polythene, Bakelite

    D. Acrylic, Silk, Wool

17. Petrochemicals are

    A.. mixtures of petrol and chemical fertilizer.

    B. materials obtained from petroleum refining.

    C. mixtures of coal and petrol.

    D. mixtures of wood and chemicals

18. Pickles are stored in plastic bottles mainly because they are:

    A. non-biodegradable

    B. good insulators

    C. durable

    D. non-reactive

19. Polyethylene terephthalate belongs to which class of synthetic polymer?

    A. None of these

    B. Polyolefin

    C. Nylon

    D. Polyester

20. Assertion: Acrylic fibers are used in making socks and shawls.

Reason: Acrylic fibers are a replacement or woolen fibers.

A. Both assertion and reason are true and the reason is the correct explanation of assertion.

B. Both assertion and reason are true but the reason is not correct for the assertion.

C. The assertion is true but the reason is false.

D. The assertion is false but the reason is true.