

CLASS-VIII

SCIENCE

CHAPTER-3

Multiple Choice Questions (MCQs)

★ Question 1.

★ Which of the following is natural fibre?

- ★ (a) Rayon
- ★ (b) Nylon
- ★ (c) Polyester
- ★ (d) Cotton

★ Question 2.

★ Which of the following is synthetic fibre?

- ★ (a) Nylon
- ★ (b) Cotton
- ★ (c) Silk
- ★ (d) Wood

★ Question 3.

★ The basic component of plant fibres is

- ★ (a) protein
- ★ (b) cellulose
- ★ (c) starch
- ★ (d) none of these

★ Question 4.

★ Raw materials for preparation of synthetic fibres are

- ★ (a) coal
- ★ (b) petroleum
- ★ (c) natural gas
- ★ (d) all of these

★ Question 5.

★ Which of the following is known as artificial silk?

- ★ (a) Nylon
- ★ (b) Rayon
- ★ (c) Polyester
- ★ (d) Silk

★ Question 6.

★ In which year was nylon made?

- ★ (a) 1931
- ★ (b) 1964
- ★ (c) 1948
- ★ (d) 1950

★ Question 7.

★ Which fibre is used as artificial wool?

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

★ Question 8.

★ Which of the following fibre has highest tensile stren

- ★ (a) Cotton
- ★ (b) Silk



★ Question 17.
★ Synthetic fibres are

- ★ (a) durable
- ★ (b) wrinkle free
- ★ (c) economical
- ★ (d) all of these

★ Question 18.
★ Plastics that retain their plasticity on repeated heating are called

- ★ (a) thermosetting plastics
- ★ (b) thermoplastics
- ★ (c) thermal plastics
- ★ (d) none of these

★ Question 19.
★ Which of the following is a characteristic of plastics?

- ★ (a) Electrical conductors
- ★ (b) Heat conductors
- ★ (c) Biodegradable
- ★ (d) Non-biodegradable

★ Question 20.
★ Plastic that can resist fire is

- ★ The property of materials by which they can be moulded into any shape is called
- ★ (a) bakelite
 - ★ (b) melamine
 - ★ (c) PVC
 - ★ (d) duroplast

Very Short Answer Questions

★ Question 1.
★ Name the basic component of animal fibres.

★ Answer:
★ Protein

★ Question 2.
★ Name some artificial fibres.

★ Answer:
★ Nylon, terylene, PET, acrylic, teflon, etc.

★ Question 3.
★ Which fibre is known as artificial silk?

★ Answer:
★ Rayon

★ Question 4.
★ In which country was rayon first time synthesised?

★ Answer:
★ England

★ Question 5.
★ Name the first fully synthetic fibre.





★ Question 15.

★ Whether cotton cloth a biodegradable or non-biodegradable?

★ Answer:

★ Biodegradable



★ Question 16.

★ Name the form of polyester which is replacing materials like glass and used for making bottles and jars.

★ Answer:

★ PET (Polyethylene Terephthalate)



★ Question 17.

★ Which of two is thermosetting plastic—PVC or bakelite?

★ Answer:

★ Bakelite



★ Question 18.

★ Name a synthetic fibre which is polyamide.

★ Answer:

★ Nylon



★ Question 19.

★ Give the name of a plastic used for making fibres.

★ Answer:

★ Nylon



★ Question 20.

★ What are polymers?

★ Answer:

★ Polymers are compounds that are made up of same, small repeating units, joined together through bonds in a linear pattern.



★ Question 21.

★ What is cellulose?

★ Answer:

★ Cellulose is a polymer made up of large number of glucose units



★ Question 22.

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

★ Answer:

★ Synthetic fibres may be synthesised by two ways:



- ★ • By regenerating them from natural fibres, like in rayon.
- ★ • By using entirely chemicals and chemical reactions, like in nylon.



★ Question 23.

★ What is rayon?

★ Answer:





★ Answer:

★ The three properties of plastics are:

- ★ • They are non-corrosive in nature.
- ★ • They are light in weight and durable.
- ★ • They do not conduct heat.

★ Question 31.

★ What are the uses of polyester?

★ Answer:

★ The uses of polyester are:

- ★ • It is used in making home furnishings and apparels.
- ★ • Polyester is used for finishing on guitars and pianos.

★ Question 32.

★ Write some properties and uses of melamine.

★ Answer:

★ Melamine is a versatile material. It resists fire and can tolerate heat better than other plastics. It is used for making floor tiles, kitchenware and fabrics which resist fire.

