## \*\*\*\*\*\*\*\*\*\*\* 会会会 CLASS-VIII SCIENCE CHAPTER-3 4 Multiple Choice Ouestions (MCOs) ★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 Which of the following fibre has highest tensile stren 🌣 (a) Cotton

(b) Silk

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c) Rayon
                                                                                        🌣 (d) Nylon
Question 9.
Common variety of polyester is
🎍 (a) terylene

★(b) polymer

☆(c) viscose

🏋 (d) spinneret
 Question 10.
Polymers are made up of small units called
🍒 (a) layers
cells (c)
(d) monomers
Question 11.
Which of the following polyester is made by blending polyester and cotton?
🍒 (a) Terrywool

♠ (b) Terrycot

☆(c) Terrysilk

🌣 (d) PET
Question 12
₩ood pulp is used to make
(a) plastic

♠ (b) wool

☆(c) jute

🖈 (d) rayon
Question 13.
The property of materials by which they can be moulded into any shape is called
 (a) conductivity
(b) elasticity

♠(c) plasticity

☆ (d) none of these

Which of the following is a thermoplastic?
🏋 (a) Bakelite
 (b) Melamine

♠(c) PVC

☆ (d) All of these

★Which of the following are made from thermosetting plastic?

(a) Bottles
 (b) Crockery
 (c) Shoes
🍒 (d) Handbags

☆ Polycarbonate is used to make

(a) compact discs
(b) straws
 (c) bottles
🍒(d) jars
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\*\*\*\*\*\*\*\*\*\* Synthetic fibres are (a) durable 🍒 (b) wrinkle free √ (c) economical Question 18. Plastics that retain their plasticity on repeated heating are called (a) thermosetting plastics (b) thermoplastics 🚣 (c) thermal plastics Which of the following is a characteristic of plastics? (a) Electrical conductors (b) Heat conductors 🍒(c) Biodegradable ⟨d) Non-biodegradable 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 ★Name some artificial fibres. **☆**Answer: Nylon, terylene, PET, acrylic, teflon, etc. ★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. \*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* Answer: Nylon Question 6. Name the largest producer unit of rayon in the world. Answer: **Grasim India** Question 7. ♠ Name a common variety of polyester. **☆**Answer: **Terylene** ★What is ester? Answer: Ester is sweet-smelling compound. Question 9. Name some objects made of plastics. Answer: Containers, buckets, bottles, chairs, baskets, etc. Question 10. What is polythene? Answer: → Polythene is a polymer of ethene. Question 11. Give some examples of thermoplastics. **☆Answer**: Polythene and polyvinyl chloride. Question 12. ☆ Give some examples of thermosetting plastics. Answer: 🖈 Bakelite and melamine. ★What is the full form of PVC? Answer: Polyvinyl Chloride Question 14. What is 4R's? Answer: 4R's stands for Redue, Reuse, Recycle and Recover. \*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\* 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) Ouestion 17. Which of two is thermosetting plastic—PVC or bakelite? Answer: Bakelite ☆ Name a synthetic fibre which is polyamide. Answer: Nylon Give the name of a plastic used for making fibres. Answer: Nylon Question 20. What are polymers? 🍒 Answer: ★through bonds in a linear pattern. Question 21. → What is cellulose? **☆**Answer: Cellulose is a polymer made up of large number of glucose units ★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:

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Rayon is a man-made fibre which is produced by the chemical processing of wood pulp, i.e., a natural substance.

List two uses of rayon.

Answer:

The two uses of rayon are:

- It is used to make apparels like shirts, blouses, etc.
- It is used to make furnishings and upholstery.

Question 25.

List any two properties of rayon.

Answer:

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The two properties of rayon are:

- · Rayon is a versatile fibre.
- · It can be dyed in different colours.

Question 26.

Write some advantages of synthetic fibres.

Answer:

**☆**Advantages of synthetic fibres are:

- Synthetic fibres are strong and durable.
- They do not shrink.
- · They are moth and insect resistant.

Question 27.

What are plastics?

Answer:

A Plastics are those substances which are mostly synthetic in nature, obtained mainly from petrochemincal sources and can be moulded into different shapes.

Question 28.

→ What is plasticity?

**☆Answer**:

☆ Plasticity is the property of materials by which they can be moulded into any shape.

Question 29.

★What are thermosetting plastics?

Answer:

Thermosetting plastics are those which when moulded once, cannot be softened again and lose their plasticity.

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Question 30.

List any three properties of plastics.

\*\*\*\*\*\*\*\*\*\*\*\* Answer:

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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.** 

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