

Chapter: 17

Q.1 A) Choose the correct alternative and rewrite the sentence (2)

- 1) Electrical switches are made of
a. Nylon b. Bakelite c. Polythene d. Melamine
- 2) Plastic used for making plates is
a. Ester b. Polyester c. Melamine d. Polyethylene

Q.2 B) Solve the following questions. (3)

1) State True or False (1)

- 1) Glass is a degradable material.

2) Find the odd one out (1)

- 1) Plastic plates, Plastic bowls, Electrical switches, Plastic comb.

3) Name the following (1)

A material formed from mixture of silica and silicate.

Q.2 Solve the following questions. (Any two) (4)

1) Write Short Notes

Borosilicate Glass

2) Name any two types of Thermosetting plastic and state its uses.

3) Give scientific reasons

Plastic tanks are used for storage of chemicals.

Q.3 Answer the following in detail (Any TWO) (6)

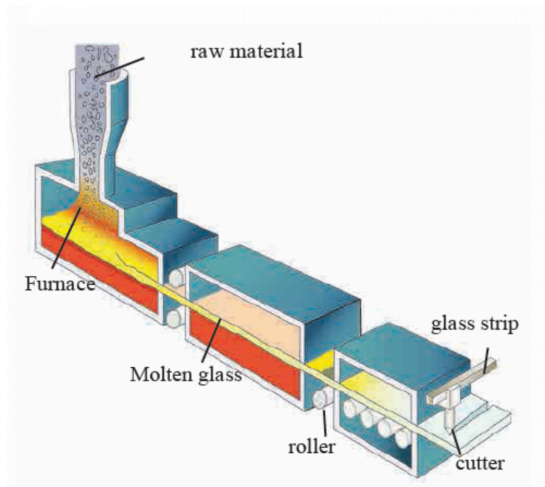
- 1) Which measures will you arrange to minimize the environmental problems arising due to non-degradable plastic?
- 2) Give two examples to show that plastics are non-corrosive in nature.
- 3) How is plastic produced ?

Q.4 Solve the following questions. (Any one) (5)

- 1) Plastic bags are crude oil products. They are derived from petroleum and natural gas. One of the main drawbacks of the bag is that they are non-biodegradable. It takes years to breakdown plastic. Recycling of plastic bags is very long process and not a viable option. Plastic is also responsible for global warming. The burning of plastic releases carbon monoxide which adversely affects the ozone layer of the earth. The thinning of this layer has become the major cause of global warming. While we cannot think of totally eliminating its use but we can significantly reduce using them.

- i. What is the main drawback of plastic bags?
- ii. Which gas is released on burning of plastic?
- iii. What is the effect of global warming?
- iv. Is there an eco-friendly alternative to use plastic bags?
- v. State any one property why plastic bags are widely used?

2)



- i. Name the raw materials used in the preparation of glass.
- ii. What is added to lower the temperature of the mixture in the preparation of glass?
- iii. In the final stages of glass preparation, at what temperature is the mixture heated and cooled immediately?
- iv. The density of the glass depends on what factor?
- v. Which type of a glass is fiber glass?

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