

Chapter: 7

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

- 1) Nowadays, are used for treatment of diarrhoea and treatment of poultry also.
(a) yoghurt (b) probiotics (c) vinegar (d) cheese

B) Answer the following (2)

i) Find the odd one out.

Bovis, Vibrio, Ideonella, Sakaiensis

ii) Find co-related terms.

Coffea arabica : Lactobacillus brevis :: Apple :

Q.2 A) Give scientific reason: (Any one) (2)

- i) Use of mutant strains has been increased in industrial microbiology.
ii) How the bread and other products produced using baker's yeast are nutritious?

B) Answer the following questions. (Any two) (4)

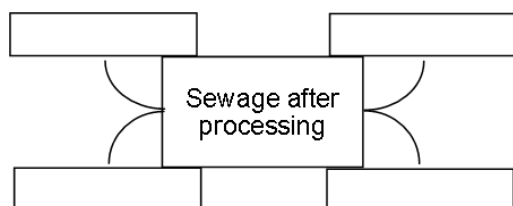
i) Which plants are cultivated to obtain fuel?

ii) Write Short Notes on

Biofuels.

iii) Complete the flow chart

3 Complete the diagram of sewage after processing.



Q.3 Answer the following questions. (Any two) (6)

i) Why is it necessary to ban the use of plastic bags?

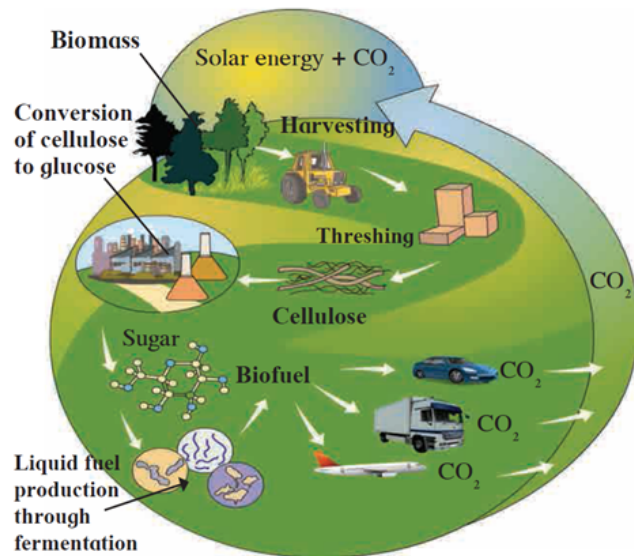
ii) Complete the paragraph:

(Fluoroacetamide, nitrogen, Azotobacter, nutrients, chemical fertilizers, fermentation, nitrogenase, microbes)

Some microbes-containing inoculants are produced by process of These inoculants are sprayed on seeds before sowing and some of the inoculants are released into plants. Microbes in the inoculants help in plant growth by supplying They improve the quality of vegetarian food. Solution containing and artificial is used in organic farming. Soil pollution occurring due to chemical fertilizers is prevented due to use

of these solutions. -like chemicals are mixed with soil due to use of chemical pesticides in agriculture. These prove to be harmful to other plants and animals as well as cause skin diseases to human. These pesticides in the soil can be destroyed with the help of

iii)



- What does the following figure show ?
- Is, the use of biofuel conventional ?
- How is the carbon dioxide in the air utilized ?

Q.4 Answer in brief (Any one)

(5)

- Explain – Importance of microbes in sewage (water) treatment in cities.

ii)

