

EXERCISE # 1

A. Single Choice Type Questions

- Q.1** Waste water containing human excreta is known as -
 (1) Sewage (2) Sewer
 (3) Sewerage (4) None
- Q.2** Discharge of industrial waste is called -
 (1) Effluent (2) Sewer
 (3) Sewerage (4) Sludge
- Q.3** The light materials which float during waste water treatment is -
 (1) Sludge (2) Scum
 (3) Biogas (4) Sewer
- Q.4** Water is disinfected by -
 (1) Chlorine (2) Ozone
 (3) UV-radiations (4) All of these
- Q.5** Primary treatment is a -
 (1) Mechanical process
 (2) Chemical process
 (3) Biological process
 (4) None of these
- Q.6** The discharge of industrial waste water is called -
 (1) Industrial effluents (2) Oil spill
 (3) Both (A) and (B) (4) None of these
- Q.7** Sewer pipes are made up of -
 (1) Cast iron (2) Copper
 (3) Aluminium (4) None of these
- Q.8** Sewage is often processed with the help of -
 (1) Septic tank (2) Over tank
 (3) Both (A) and (B) (4) None of these

Q.9 Contaminated water disease is -

- (1) Gastroenteritis (2) Malaria
 (3) Flu (4) None of these

Q.10 A fuel produced by anaerobic fermentation of sludge is -

- (1) Biogas (2) Petrol
 (3) Kerosene (4) Wood

B. Fill In The Blanks

- Q.11** The sewage is carried by to
- Q.12** Dried sludge is used as
- Q.13** Tertiary treatment is a process.
- Q.14** Raw sewage is an hazard.
- Q.15** Drains get blocked by and

C. Match The Following

Q.16 Match the items in Column-A with the items in column-B

- | Column-A | Column-B |
|------------------------|-------------------------|
| 1 Tertiary treatment | a Mechanical process |
| 2 Sewers | b Biological process |
| 3. Waste water | c Physical process |
| 4. Secondary treatment | d Sewage |
| 5. Primary treatment | e Pipes carrying sewage |
| | f Sludge |

EXERCISE # 2**A. Very Short Answer Types Questions**

- Q.1 How will you define a waste ?
- Q.2 What is sewage ?
- Q.3 What is scum ?
- Q.4 Why are bacteria used in sewage treatment plants ?
- Q.5 What is the function of screens in a water treatment plant ?
- Q.6 Name any four water borne diseases.
- Q.7 Name two organic impurities present in sewage
- Q.8 Name two inorganic impurities present in sewage.
- Q.9 Name one disease which are caused by bacteria present in sewage.

B. Short Answer Types Questions

- Q.10 What is sludge and how do we use ?
- Q.11 What problem do we face with open drainage ?
- Q.12 What is oil spill and how is it harmful for aquatic life ?
- Q.13 What are the main constituents of sewage ?
- Q.14 What is the function of a treatment plant ?

C. Long Answer Types Questions

- Q.15 Why butter and oil should not be released in the drainage ?
- Q.16 Discuss the stages of waste water treatment process.
- Q.17 Why is it harmful to discharge untreated sewage into the rivers ?
- Q.18 Discuss the three stages involved in water treatment plant
- Q.19 List five ways to control sewage generation from your home.
- Q.20 Compare the modern system of sewerage with that of the rural system.