

Model questions

B.Sc Semester-VI

DSE-3

Industrial chemicals & Environmental Chemistry

GROUP-A

MCQ

1-Which of the following are primary causes of water pollution.

a. Plants b. animals c. human activities d. non of these

2-Which of the following techniques is used for reducing the total dissolved solids in water?

a. Osmosis b. Ion exchange c. distillation d. both b& c.

3- Which of the following salt is the main cause of permanent hardness of water?

a. Magnesium bicarbonate b. Magnesium sulphate c. Magnesium carbonate
d. Non of the above

4- Which of the following techniques is used to remove fluorides from the water bodies?

a. lime stone b. osmosis c. ionexchange d. both b&c

5-Which of the following is a water borne disease?

a. Typhoid b. cholera c. diarrhea d. all of above.

6. The process in which water is passed through filter beds of sand and gravel to remove smaller particles of dust is called

a. coagulation b. sedimentation c. filtration d. chlorination

7- Which among the following is not a renewable source of energy?

a. solar energy b. biomass energy c. hydropower d. geothermal energy

8- The process that converts solid coal into hydrocarbon fuel is called

a. liquefaction b. carbonation c. catalytic conversion d. cracking.

9-The energy we get in nuclear reaction comes from

a. energy we put into the reactor b. the mass of the fuel c. water d. the sun

Short questions

1- Describe hydrological cycle.

2. What are the various method of purification of water? Discuss

3- Explain water purification by reverse osmosis method

4-what is the difference between nuclear. fission and fussion?

5-How do we detect water pollution ? What are the types of water pollution.

6- Write the major types of renewable energy

7-write short note on Chemical Coagulation & Disinfection

8- What are the steps of a water treatment plant..

9-What is the beneficial aspect of nuclear fission?

Long questions

1-Discuss water purification by ion exchange and electrodialysis method.

2- What is water pollution? Discuss the causes of water pollution and techniques for measuring water pollution.

3-Discuss water purification methods. What are the three stages of waste water treatment.

4- What is nuclear pollution? Discuss its causes and effects

5-What is renewable energy? How many different types of renewable energy?
How can renewable energy benefit the environment?