

- e) What are various microbes causing water pollution ? Describe. 2½
- f) Draw a well labelled diagram of rotating biological contactor ? Explain in brief. 2½
- g) How hydrocarbons undergo biodegradation ? Write advantages thereof. 2½
- h) Draw a schematic representation of carbon cycle. 2½

5. Solve **any ten** of the following.

- a) Write two gases contributing to green house effect. 1
- b) What are aerosols ? 1
- c) Write two problems that needs environmental education ? 1
- d) How many biological methods are involved in treatment of waste water ? 1
- e) What is anaerobic digester ? 1
- f) Define oxidation pond ? 1
- g) What are degradative plasmids ? 1
- h) Write advantages of bioleaching. 1
- i) Write the names of two surfactants. 1
- j) Write two bacteria contributing to biofertilizers. 1
- k) Define VAM. 1
- l) Give two examples of biopesticides. 1
