

(2)

Write notes on the following :

- (a) Anaerobic digestion
- (b) Source of water pollution
- (c) Chemical method of waste water treatment
- (d) Activated sludge

3. What are GMOs and describe their impact on environment ?

OR

Write short notes on any **two** of the following :

- (a) Biodegradation of cellulose, lignin and hydrocarbon
- (b) Xenobiotics
- (c) Treatment of waste water of distillery
- (d) Bioremediation

4. Describe biopesticides and their role in integrated pest management.

OR

Write short notes on any **two** of the following :

- (a) Global environmental problems
- (b) Solid waste management
- (c) IPR and patent
- (d) Role of National Organization in Biotechnology

(3)

5. Write short notes on the following :

- (a) Environment : Basic concepts
- (b) Oxidation ditches
- (c) Antibiotic industries
- (d) Trade secrets

OR

Write short notes on the following :

- (a) Major issues of environment
- (b) Up flow anaerobic sludge blanket reactors
- (c) Treatment of waste water of tannery industries
- (d) Trademark copyright