

M.Sc. Part-I Semester-II (CBCS Scheme) Examination
ENVIRONMENTAL SCIENCE
(Water Pollution)
Paper-VIII

Time : Three Hours]

[Maximum Marks : 80

N.B. :- All questions are compulsory and carry equal marks.

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| 1. | Describe the chemical characteristics of waste water. | 16 |
| | OR | |
| | Describe the methods for prevention and control of water pollution. | 16 |
| 2. | Explain in brief : | |
| | (a) Sources of water pollution in Urban areas. | 5 |
| | (b) Sources of marine water pollution. | 5 |
| | (c) Industrial sources of water pollution. | 6 |
| | OR | |
| | (d) Sources of water pollution from Agricultural practices. | 5 |
| | (e) Management of coastal water pollution. | 5 |
| | (f) Criteria for disposal of pollutants in marine ecosystem. | 6 |
| 3. | Describe in brief : | |
| | (g) Effluent characteristics of food processing industry. | 5 |
| | (h) Effluent characteristics of sugar industry. | 5 |
| | (i) Effluent characteristics of paper industry. | 6 |
| | OR | |
| | (j) Effluent characteristics of textile industry. | 5 |
| | (k) Sources of industrial effluents. | 5 |
| | (l) Effluent characteristics of Electroplating industry. | 6 |
| 4. | Explain : | |
| | (m) Role of phytoplanktons in aquatic ecosystem. | 5 |
| | (n) Significance of ground water. | 5 |
| | (o) Types of water in environment. | 6 |
| | OR | |
| | (p) Zooplankton composition in aquatic ecosystem. | 5 |
| | (q) Exploration of ground water. | 5 |
| | (r) Composition of sea water. | 6 |
| 5. | Describe the effects of water pollution on animals and human health. | 16 |
| | OR | |
| | Explain the effects of bioaccumulation and eutrophication on aquatic systems. | 16 |

