

M.Sc. (Part—I) Semester—I (CBCS Scheme) Examination
ENVIRONMENTAL SCIENCE
(Environmental Science – An Interdisciplinary Approach)
Paper—I

Time : Three Hours]

[Maximum Marks : 80

Note :— All questions are compulsory and carry equal marks.

1. Describe urbanisation as an environmental issue. Give the details of its effects on Environment and Life. 16

OR

Describe the role of Natural Resources and their importance in day to day life. Add in detail about the sustainable management of the mineral resources for future welfare. 16

2. Describe brief :
- (a) Earth and Life relationship 5
 - (b) Mass transfer across various interfaces 5
 - (c) Ist and IInd law of thermodynamics. 6

OR

- (d) Concept of Environmental Unity 5
 - (e) Earth as an ecosystem 5
 - (f) Concept of material balance with its application. 6
3. Discuss in brief :
- (g) Classification of major trace elements 6
 - (h) Plate tectonics concept and its importance 5
 - (i) Mobility of trace elements. 5

OR

- (j) Major Trace elements and its application 6
 - (k) Role of geological factors in Environmental Planning 5
 - (l) Basic environmental issues. 5
4. Describe in brief :
- (m) Effects of Fertilizers on Environment 5
 - (n) Waste Disposal Concept 5
 - (o) Effect of Urbanisation on City Planning. 6

OR

- (p) Effect of irrigation on Soil 5
 - (q) Effect of agrochemicals on Soil Environment 5
 - (r) Concept of city as a system. 6
5. What are minerals ? What is the role of minerals in Industries ? Role of minerals in Nation's economics – Discuss. 16

OR

What is Environmental Economics ? Discuss Cost Benefit Analysis with its importance. 16

