

B.Sc. (Part—III) Semester—VI Examination

ENVIRONMENTAL SCIENCE

(Environmental Conservation and Management)

Time : Three Hours]

[Maximum Marks : 80

N.B. :— ALL questions are compulsory.

1. (A) Fill in the blanks :

- (i) Environmental awareness can bring in society through _____ . ½
- (ii) _____ is the major threat to wildlife. ½
- (iii) In situ conservation takes place through _____ . ½
- (iv) The long form of G.P.S. is _____ . ½

(B) Choose the correct alternative and rewrite the sentences :

- (i) The mean can be calculated by formula _____ . ½
 - (a) Summation of all $\frac{\text{individuals}}{\text{Total individuals}}$
 - (b) Mean of all individuals
 - (c) Frequently occurring individuals
 - (d) Rare occurrence
- (ii) _____ is the tool for ex-situ conservation. ½
 - (a) National Park
 - (b) Botanical garden
 - (c) Sanctuary
 - (d) Biosphere Reserve

- (iii) The symbol of WWF is _____ . ½
- (a) Tiger
 - (b) Hornbill
 - (c) Giant Panda
 - (d) River
- (iv) The short form of Ministry of Environment and Forest is _____ . ½
- (a) MOF
 - (b) MEOF
 - (c) MOEF
 - (d) MFO

(C) Answer in **one** sentence :

- (i) Define EIA. 1
- (ii) Define Conservation. 1
- (iii) Define Wildlife. 1
- (iv) Define Mode. 1

2. Explain in brief :

- (a) Objectives of environmental education. 4
 - (b) Role of mass media in environmental awareness. 4
 - (c) Types of environmental education. 4
- OR**
- (d) Concept of environmental awareness. 4
 - (e) Current status of environmental education in India. 4
 - (f) Environmental education and Environmental awareness. 4

3. Describe the current issues related with mining management in India. 12

OR

Describe the strategies for the conservation of Mangrooves vegetation in Maharashtra state.

12

4. Describe in brief :

(g) Salient features of Wildlife Protection Act, 1972. 4

(h) Functions of IBWL. 4

(i) Functions of WWF. 4

OR

(j) Needs of Biodiversity conservation. 4

(k) Salient features of Biodiversity Act-2002. 4

(l) Convention on Biological Diversity. 4

5. Describe in brief :

(m) Functions of IUCN. 4

(n) Functions of UNEP. 4

(o) Concept of EIA. 4

OR

(p) Disadvantages of Public Participation in EIA. 4

(q) Functions of State Pollution Control Board. 4

(r) Functions of MOEF. 4

6. Describe the general procedure of Environmental Audit. 12

OR

Describe the concept and advantages of Geographical Information System. 12

7. (s) Describe the concept of Sustainable Development. 4

(t) Describe the types of data. 4

(u) Give the diagrammatic presentation of the given rainfall data :

The rainfall of the last five years of the Maharashtra state is ----- 2001—1200 mm,
2002 -1600 mm, 2003 -1000 mm, 2004 -1300 mm, 2005 -1900 mm. 4

OR

(v) The noise level in Mumbai industries is in dB is 12, 18, 16, 22, 10. Calculate the mean of Noise level. 4

(w) Give the formula of mode and standard deviation. 4

(x) Explain the principles of sustainable development. 4