

**B.Sc. Part-III Semester-VI Examination**  
**ENVIRONMENTAL SCIENCE**  
**(Environmental Conservation and Management)**

Time : Three Hours]

[Maximum Marks : 80

**Note :—**(1) All questions are compulsory.

(2) **Q. 2 to 7** carry equal marks.

1. (A) Fill in the blanks :

- (i) Primary school stage is the example of— Environmental Education. ½
- (ii) IUCN stands for ----- . ½
- (iii) Minerals are \_\_\_\_\_ resources. ½
- (iv) By which symbol Standard Deviation is Indicated ----- . ½

(B) Choose correct alternatives :

- (i) The symbol of WWF is \_\_\_\_\_ .  
(A) Tiger (B) Giant Panda  
(C) Lion ½
- (ii) What are the objectives of Environmental Education ?  
(A) Awareness (B) Knowledge  
(C) Skill (D) All of above ½
- (iii) Long form of IBWL :  
(A) Indian Board for Wildlife (B) International Board for Wildlife  
(C) Intercontinental Board for Wildlife ½
- (iv) ----- example of ex-situ conservation.  
(A) Zoo (B) Sancturies  
(C) National Parks ½

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

- (i) Define Environmental Education. 1
  - (ii) Types of Mining. 1
  - (iii) Long form of WWF. 1
  - (iv) Define impact. 1
2. (a) Describe the current status of Environmental Education in India. 4
- (b) Explain the role of mass media in Environmental Education. 4
- (c) Non formal Environmental Education. 4

**OR**

- (d) Concept of Environmental awareness programme. 4
- (e) Define Environmental Education and objectives of Environmental Education. 4
- (f) Describe methods of Environmental awareness. 4

3. Define mining. What are the various methods of mining ? Describe various impacts of mining on environment. 12

**OR**

- Describe the methods used for the conservation of wasteland and mangroves. 12
4. Describe the Wildlife Protection Act, 1972 with reference to its applications. 12

**OR**

- Describe the role of Biosphere Reserves in Biodiversity conservation. 12
5. Explain in brief :
- (g) Role of IUCN in Environmental protection. 4
  - (h) Advantages of public participation in EIA. 4
  - (i) Man. and Biosphere Programme objectives. 4

**OR**

- (j) Disadvantages of public participation in EIA. 4
  - (k) Objectives of EIA. 4
  - (l) Role of MOEF in Environmental protection. 4
6. (m) Explain objectives of Environmental Audit. 4
- (n) Write any two interpretation characteristics of aerial photograph. 4
  - (o) Explain in detail the advantages of GIS. 4

**OR**

- (p) Define environmental audit and give its advantages. 4
  - (q) Explain in detail about advantages of satellite images. 4
  - (r) Concept of GIS. 4
7. (s) Explain the principles of sustainable development. 4
- (t) Explain regression analysis. 4
  - (u) Calculate the median for the following data :  
Height of students : 120 cm, 150 cm, 135 cm, 160 cm, 145 cm, 130 cm, 162 cm. 4

**OR**

- (v) Explain concept of sustainable development. 4
- (w) Calculate mean from following data :  
6, 9, 10, 10, 13, 14, 15, 18, 20, 21, 30 4
- (x) The rainfall in mm for last 10 years is as under :  
2000 - 102 mm, 2001 - 448 mm, 2002 - 1283 mm, 2003 - 1585 mm, 2004 - 900 mm,  
2005 - 668 mm, 2006 - 787 mm, 2007 - 1100 mm, 2008 - 888 mm, 2009 - 700 mm  
give the diagramme of above data. 4