



**NCD-0030-492001** Seat No. \_\_\_\_\_

**B. Sc. / M. Sc. (Sem. II) (CBCS) Examination**

**April / May - 2017**

**Applied Physics : Paper - V**  
*(Environmental Science)*

**Faculty Code : 0030**

**Subject Code : 492001**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- Instructions :** (1) All questions are compulsory.  
(2) Figures on right side shows full marks.  
(3) Symbols have their usual meanings.

- 1** Answer any seven : **14**
- (a) What is soil erosion?
  - (b) State any four measures you can do to save electricity?
  - (c) Define the term pollution.
  - (d) State any two application of solar energy.
  - (e) What is 'Ozone layer' depletion.
  - (f) What is green house effect.
  - (g) What is the role of primary producers in ecosystem?
  - (h) Define the term 'Sustainability'.
  - (i) State any two types of forests found in India.
  - (j) What is nuclear energy?
- 2** (a) Write a detailed note on different scope of environment. **4**
- (b) What is the contribution to environment from the **5**  
Ralph Emerson and S. P. Godrej.
- (c) Write a brief introduction on : **5**
- (i) SACON
  - (ii) WII

**OR**

- 2 (a) Write a detailed note on different importance of environment. 4
- (b) State a brief note on any five major institutions of India working in the field of environment. 5
- (c) Give brief introduction of environmentalists 5
- (i) Charles Darwin and (ii) Salim Ali.

- 3 (a) Explain water resources as renewable energy. 4
- (b) Which are the ways for sustainable water management. 5
- (c) Describe the mineral resources as renewable energy. 5

**OR**

- 3 (a) Write a detailed note on atmosphere and hydrosphere as natural resources. 4
- (b) Write a note on coal and its major impact on environment. 5
- (c) State the associated problems related to natural resources. 5

- 4 (a) Define the term "Ecosystem". Explain the concept of ecosystem. 4
- (b) Write a note on water cycle. 5
- (c) Explain briefly forest ecosystem and state how can forest ecosystem be conserved? 5

**OR**

- 4 (a) State the structure and functions of ecosystem. 4
- (b) Explain in detail Oxygen cycle. 5
- (c) Explain the term food chain and food web. 5

- 5 (a) What is air pollution? State the major sources of air pollution. 4
- (b) What do you mean by 'point sources' and non-point sources' water pollution. 5
- (c) State the major effects of noise pollution 5

**OR**

- 5 (a) Write a note on the effects of air pollution on living organisms. 4
- (b) Write a detailed note on controlling measures of water pollution. 5
- (c) What is noise pollution and state the controlling measures for noise pollution. 5

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