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***B.Tech. Degree II Semester Regular and Supplementary/
I Semester Supplementary Examination April 2018***

**CE/EE/ME/SE AS 15-1206 A & CS/EC/IT AS 15-1106 B
ENVIRONMENTAL STUDIES
(2015 Scheme)**

Time : 3 Hours

Maximum Marks : 60

PART A
(Answer *ALL* questions)

(10 × 2 = 20)

- I. (a) Briefly describe the environmental impact of Dams.
- (b) Explain the reasons and consequences of flood and drought.
- (c) Distinguish between renewable and non-renewable energy resources.
- (d) Explain briefly the ecological succession.
- (e) What are the reasons for biodiversity loss?
- (f) What are the objectives and aim for wildlife protection act?
- (g) Define biodiversity hot spot.
- (h) Explain acid rain and its environmental impact.
- (i) What are the measures adopted for controlling soil pollution?
- (j) Briefly describe the role of information technology in environment and health sector.

PART B

(4 × 10 = 40)

- II. (a) Explain the importance of forest resources. What are the reasons for forest resource depletion and comment on the conservation measures?
- (b) Briefly discuss the challenges and reasons for world food problem.

OR

- III. (a) Explain the environmental problems associated with the mineral resource extraction and usage.
- (b) Explain sustainable water management strategies adopted in India.

- IV. (a) Explain briefly the structure and function of different aquatic ecosystem.
- (b) Explain the process of energy flow in an ecosystem with diagram.

OR

- V. (a) Briefly describe the different biodiversity conservation techniques.
- (b) Explain the bio geographical classifications of India.

- VI. (a) What are the cause, effect and control of air pollution?
- (b) Discuss the safety and hazards associated with nuclear power plants.

OR

- VII. (a) Define solid waste and landfill. Explain the different techniques adopted for solid waste management.
- (b) Explain the issues involved in enforcement of environmental legislation in India.

- VIII. (a) What are the relationship between climate change and global warming?
- (b) Explain world population growth. Explain the different problems associated with the population explosion.

OR

- IX. (a) Define sustainable development and explain the problems related to sustainable development.
- (b) Explain the different water conservation methods.

