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

CS/EC/IT AS 15-1106 B & CE/EE/ME/SE AS 15-1206 A

ENVIRONMENTAL STUDIES
(2015 Scheme)

Time: 3 Hours

Maximum Marks: 60

PART A
(Answer *ALL* questions)

(10 × 2 = 20)

- I. (a) Differentiate renewable and non renewable energy resources with example.
- (b) Explain the merits and demerits of modern agriculture practices.
- (c) Define ecosystem and explain the structure of an ecosystem.
- (d) Explain In-situ and Ex-situ biodiversity conservation.
- (e) Explain point and non point water pollution with example.
- (f) Define disaster management and disaster management cycle.
- (g) What is ozone hole and explain the ozone depleting compounds?
- (h) Explain sustainable agriculture.
- (i) Explain rain water harvesting.
- (j) Explain soil pollution and its consequences.

PART B

(4 × 10 = 40)

- II. (a) Briefly explain the major problems associated with water resources in India.
 - (b) Explain the role of individuals in natural resource conservation.
- OR**
- III. (a) Explain the challenges associated with world food production.
 - (b) Explain the importance of mineral resources in India and explain the environmental effects associated with the over extraction.
- IV. (a) Explain the structure and function of different forest ecosystems.
 - (b) Explain briefly the bio geographical classification of India with the help of a diagram.
- OR**
- V. (a) Briefly describe the energy flow in an ecosystem.
 - (b) Explain the values of biodiversity.
- VI. (a) Explain solid waste management and control measures.
 - (b) Define landslide. Explain the different types of landslides.
- OR**
- VII. (a) Explain briefly the different environmental protection acts and explain their significance.
 - (b) Explain the air pollution and noise pollution control methods.
- VIII. (a) Explain the relationship between climate change and global warming.
 - (b) Explain the concepts of sustainable development in India. Discuss the issues associated with sustainable development.
- OR**
- IX. (a) Define population growth. Explain the different population growth forms.
 - (b) What are the roles of value education in human welfare? Explain.

