

Roll No _____

Examination May-2014

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B.Tech. (AE)**ENVIRONMENTAL SCIENCE (CE-216)****Paper ID-A0718****Time: 3 Hours****Maximum Marks: 60**

Note: Section-A is compulsory consisting of ten questions carrying two marks each. Section-B contains five questions carrying five marks each and students have to attempt any four questions. Section-C contains three questions carrying ten marks each and students have to attempt any two questions.

SECTION-A

1. (a) What is the scope of environmental education?
- (b) Define the terms soil erosion and desertification.
- (c) What is an aquifer? Name its different types.
- (d) What do you mean by ecological succession?
- (e) Name some endangered species of plants and animals of our country.
- (f) What do you mean by consumptive use value and option value of biodiversity?
- (g) Define radioactivity. Mention the sources of radioactivity.
- (h) Which are the agents responsible for ozone depletion?
- (i) What do you mean by family planning?
- (j) What are greenhouse gases and greenhouse effect?

SECTION-B

2. Discuss the major uses of forests. How would you justify that ecological uses of forests surpass commercial uses?
3. What are food chains and food webs? Give examples and discuss their significance.
4. Discuss Indian biodiversity with special reference as a megadiversity nation.
5. How can you, as an individual, prevent environmental pollution? Why such an effort at individual level is important? Discuss.
6. What are the major issues and problems related to rehabilitation of the displaced tribals? Discuss in the light of some case study.

SECTION-C

7. (a) Discuss floods and droughts with respect to their occurrence and impacts.
- (b) Briefly discuss characteristic features, structure and function of grassland ecosystems.
8. (a) "Population, consumerism and waste production are interrelated", Comment.
- (b) How do you define pollution as per Water (Prevention and control of pollution) Act. What are the salient features of the Act? Discuss.
9. (a) What is meant by population stabilization? Discuss family welfare and family planning program in Indian context.
- (b) What is Universal Declaration of human rights? What is its importance in achieving the goals of equity, justice and sustainability?