

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]
(2064)

14708

B. Tech 6th Semester Examination

Environmental Science

CE-6006

Time : 3 Hours

Max. Marks : 100

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt any one question each from section A, B, C, D. Section E is compulsory.

SECTION - A

1. (a) Give an account of environmental effects of modern agriculture and overgrazing. (10)
- (b) Describe world food problems. Enumerate the causes and possible ways to increase world food supply. (10)
2. Describe the importance of land resources in the development of civilization. What do you mean by land degradation? (20)

SECTION - B

3. (a) What is ecological succession? Describe the stages of succession. (10)
- (b) Define aquatic ecosystems. What are the major components of pond ecosystem? (10)
4. (a) Explain the importance of biodiversity and the strategies for its conservation. (10)
- (b) "India a mega diversity nation"—Justify. (10)

SECTION - C

5. (a) What are the broad categories of water pollutants? Discuss. (10)

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- (b) Define soil pollution and describe its sources. What are the impacts of soil pollution in environment? (10)
6. What do you mean by 'wasteland reclamation'? What are the methods for wasteland reclamations? (20)

SECTION - D

7. What are the factors affecting variation of population in different regions of India? (20)
8. What are the programs undertaken in India for women and child welfare? (20)

SECTION - E

9. Answer the following:
- (a) Describe the benefits and problems associated with dams.
- (b) Write short notes on forest as a resource.
- (c) Write down the importance of rain water harvesting in Hilly Region.
- (d) Describe food chain and food web with suitable example.
- (e) Write down the basic principle of 'environmental ethics'. Discuss issues and possible solutions regarding this.
- (f) Write critical notes on eco-friendly non-conventional methods of waste treatment.
- (g) "For industrialization and urbanization, impact of technology is well evident"—Discuss.
- (h) Write short notes on Hotspots of biodiversity.
- (i) What are the areas in which women can play their role in protection of the environment?
- (j) What are the main aims and features of Forest Conservation Act 1980? (10×2=20)