

Roll No.

Lingaya's University
B.Tech. 1st Year (Term – II)
Examination – Feb 2011
Environmental Science & Ecology (CE - 101)

[Time: 3 Hours]

[Max. Marks: 100]

Before answering the question, candidate should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note: – Attempt five questions in all. All questions carry equal marks. Question no. 1 is compulsory. Select two questions from Section B and two questions from Section C.

Section – A

Q-1. Part – A

Select the correct answer of the following multiple choice questions. [10x1=10]

- (i) Biomass energy can be obtained from
 - (a) Energy plantation (b) Petro crop
 - (c) Agricultural and urban waste biomass (d) All of these
- (ii) The animal that has become recently extinct is
 - (a) Dodo (b) Dinosaur
 - (c) Wolly mammoth (d) Archaeopteryx
- (iii) What is the full form of GIS?
 - (a) Geographical Information system
 - (b) General information system
 - (c) General integration system
 - (d) Geological integration system

- (iv) The over nourished lakes with 'algal blooms' are called
 (a) Eutrophic (b) Oligotrophic
 (c) Dystrophic (d) Meromitic
- (v) Wood pulp is used for making
 (a) Lumbar (b) Chipboard
 (c) Paper (d) Plywood
- (vi) Ozone layer thickness is present in
 (a) Troposphere (b) Stratosphere
 (c) Mesosphere (d) Thermosphere
- (vii) Which of the following is most productive?
 (a) Forests (b) Grasslands
 (c) Savannah (d) Desert
- (viii) Satluj Yamuna Link canal disputes is between
 (a) India and Pakistan (b) Punjab and Haryana
 (c) Karnataka and Tamil Nadu (d) U.P. and Bihar
- (ix) The term ecosystem was given by
 (a) Odum (b) Tansley
 (c) Lamrack (d) Darwin
- (x) Full form of C.P.C.B is

Part – B

Write short note on **any two**:

- (i) Photochemical smog
 (ii) Acid rain
 (iii) Biomagnification and eutrophication
 (iv) Population explosion

[2x5=10]

Section – B

- Q-2. State the effects of industrial waste water and methods to control thermal pollution. [20]

- Q-3. Discuss the role of information technology in environment and human health. [20]

- Q-4. What are natural resources? Discuss objectives, merits and limitation of non renewable energy resources. [20]

- Q-5. Give an account of objectives and goals of environmental education. [20]

Section – C

- Q-6. Write an explanatory note on the efforts for conservation of biodiversity in India. [20]

- Q-7. What do you understand by the term water conservation? List the various measures that can help in water conservation in domestic, industrial and agricultural withdrawal. Briefly comment on the strategies that can support water conservation. [20]

- Q-8. What is ecological succession? Show pyramids of energy and biomass through proper illustrations. [20]