

Roll No. ....

**Lingaya's University, Faridabad**  
**B.Tech. 1<sup>st</sup> Year (Term – III)**  
**Examination – May, 2010**  
**Environmental Science and Ecology (CE-101)**

**Time: 3 Hours]**

**[Max. Marks: 100**

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

*Note: All questions carry equal marks. Attempt five questions. Question 1 is compulsory . Select two questions from Section B & two from Section C.*

**Section – A**

**Q-I Part A**

**Select the correct answer of the following multiple choice questions.**

(1 x 10=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) Grasslands
- (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:- (2x5=10)

- (a) Project Tiger (b) Acid Rain  
(c) Biomagnifications and Eutrophication  
(d) Rain water harvesting

**Section-B**

- Q-2. Classify various types of water pollutants. Also discuss the cause, effect and control of water pollution. (20)
- Q-3. State the effects of radioactive pollution and methods to control them. Discuss your answer in the light of recent radioactive radiation case in New Delhi's scrap market. (20)
- Q-4. What are natural resources? Discuss objectives, merits and limitation of renewable energy resources. (20)
- Q-5. What are the differences between traditional and modern agriculture in terms of their productivity and its environmental impacts? (20)

**Section-C**

- Q-6. Describe importance of Bio-diversity. How Bio-diversity can be conserved? (20)
- Q-7. What is ecological succession? Show pyramids of energy and biomass through proper illustrations. (20)
- Q-8. Discuss how volcanic eruption causes thermal and air pollution? Elaborate your answer in the light of recent volcanic eruption in Iceland. (20)