

KERALA AGRICULTURAL UNIVERSITY
B.Sc.(Hons.) Agriculture – 2007 Admission - VIth Semester
Final Examination - June-July 2010

Cat. No. : Ssac 3206

Title : Environmental Science (1+1)

Max. marks: 80

Time : 3 hours

I. Fill up the blanks/ Match the following/State true or false /Define (10 x 1 = 10)

1. The complex food chain involving interactions among many different species of organisms is known as -----
2. -----is an indicator organisms for checking faecal contamination of drinking water
3. Define Hydrosphere
4. Define Benthic zone
5. Biomagnification occurs only when the pollutants are water soluble (**True/False**)
6. Branch of science concerned with the study of fresh water lakes is called limnology (**True/False**)
7. BOD is the measure of non biodegradable substance in the water (**True/False**)

Match the following

- | | | |
|-------------------------|---|----------------------|
| 8. a) Blue baby disease | : | A) Cadmium pollution |
| 9. b) Minamata Disease | : | B) Nitrate pollution |
| 10. c) Itai-Itai | : | C) Mg pollution |

II Write short notes /Answer on any ten

(10 × 3 = 30)

1. Concepts of Ecology
2. Food chain
3. Photochemical Smog
4. Biomagnification
5. *In situ* conservation
6. Sources of water pollution
7. Detrivores
8. Any two important soil pollutants
9. Eutrophication
10. Global warming
11. Sustainable Environment
12. Decibel

III Write short essays on any six of the following

(6 x 5 = 30)

- 1 Write briefly about Noise pollution
- 2 Explain the Conservation of biodiversity
- 3 Brief about Nuclear wastes
- 4 Elaborate Ozone depletion
- 5 Brief about Biogeochemical cycles
- 6 Write briefly about Thermal pollution
- 7 Discuss about Energy flow in an Ecosystem
- 8 Write the importance of Renewable resources

IV Write Essay on any one

(1 x 10 = 10)

- 1 What are the major air pollutants? Explain their sources and their impact on human beings.
- 2 Write an account on Environmental Education in India. Explain how Information Technology can play a role in conserving the Environment.
