

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2011 Admission
VIth Semester Final Examination- July/Agust-2014

Cat. No: Ssac.3206

Marks: 80

Title: Environmental Science (1+1)

Time: 3 hours

I) Fill up the blanks /Name the Following

(10 x 1=10)

1. N content of atmosphere is _____
2. DDT is metabolized by _____ chemical reaction
3. Phosphatic fertilizers are lost from soil through _____
4. Heavy metals are having a density of _____ g/cc
5. Maximum permissible limit of nitrate in drinking water is _____ mg/L
6. The pyramid of energy is always _____
7. Bhopal gas tragedy was due to _____
8. Itai- itai disease is caused by _____ pollution
9. World wetland Day is on _____
10. Mention two detritivores

II Write short notes on ANY TEN

(10 x 3=30)

1. Nutrient mining
2. Global warming and CO₂ concentration
3. Eutrophication
4. Wild Life Protection Act
5. Ozone depletion
6. Holocoenotic
7. Differentiate between natural and incomplete ecosystem
8. What are the different levels of biodiversity
9. BOD and COD
10. Food Web
11. ENVIS
12. Photochemical smog

III Write short essays on ANY SIX of the following

(6 x5=30)

1. Biodegradation of pesticides
2. Major reasons for the occurrence of water scarcity in Kerala
3. What is the role nitrogenous fertilizers in polluting the environment
4. Give the components of a desert ecosystem
5. Define ecological pyramid and explain the different types
6. Sources of marine pollution
7. Non Renewable energy sources
8. Green house effect

IV Write essay on ANY ONE

(1 x10=10)

1. Explain the sources of pollution in soil, its effects on soil health and plant growth. Suggest specific management strategies
2. Give the importance of biodiversity and the different methods adopted by India for their conservation
