



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Technology) 2023 Admission
I Semester Final Examination – February 2024

Swce.1101

Environmental Sciences and Disaster Management (1+1)

Marks: 50
Time: 2 hours

I Fill in the blanks

(10x1=10)

1. Thickness of the earth's mantle iskm.
2. The shorter food chain ensures in ecosystem.
3. The evergreen forests are confined to region.
4. Sewage water can be purified for recycling with the action of
5. Ozone is a pollutant.

Match the following

- | | |
|-------------------------|----------------------|
| 6. Environment | - H.A. Des Voeux |
| 7. Acid rain | - Charles Elton |
| 8. Ecosystem | - Robert Angus Smith |
| 9. Smog | - Jacob Erkul |
| 10. Ecological pyramids | - A.G. Tansley |

II Write short notes on ANY FIVE of the following

(5x2=10)

1. Significance of food chain and food web.
2. Trickling filter
3. Stratosphere
4. Secondary succession
5. Xenobiotics
6. Electrostatic precipitators
7. Bioremediation

III Answer ANY FIVE of the following

(5x4=20)

1. Explain the concept of ecosystem.
2. Write note on biogeochemical cycles.
3. What is deforestation? Discuss the major causes for deforestation.
4. Explain the effects of air pollutants on human health.
5. Discuss the environmental problems of the over exploitation of energy sources.
6. Explain the impact of noise on human and environment.
7. Write note on greenhouse effect.

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Explain sources, effects and control measures of water pollution.
2. Describe radioactive pollution.
