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DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – DECEMBER 2024

Semester: IV

351/252/551/552 ES45 ENVIRONMENTAL SCIENCE

Time: 3:00 Hours

Max. Marks: 100

Answer any FIVE Questions (5 x 20 = 100 Marks)

1. a) What is environment? What are the major components of the environment? Explain. (10 Marks)
- b) What are natural resources? Name any five basic natural resources and the problems associated with it. (10 Marks)
2. a) Illustrate the food chains, food webs and ecological pyramids. (10 Marks)
- b) On what basis the ecosystems are classified? What are the factors contributing to an ecosystem? What happens, when an ecosystem is altered? (10 Marks)
3. a) Define environmental pollution. What are the different types of pollution? Explain each of the by giving suitable examples. (10 Marks)
- b) What is Solid Waste management? Write down its effects and control measures. (10 Marks)
4. a) Define Global Warming and its effects? (10 Marks)
- b) Write briefly on wildlife protection act and Forest protection act. Discuss the salient features. (10 Marks)
5. a) What is the role of Information Technology in environment and human health? Explain briefly both the components. (10 Marks)

- b) Discuss the various issues and measures for women and child welfare at international and national level? **(10 Marks)**
6. a) What is soil erosion? What are the causes of soil erosion? How Soil erosion is controlled? What are its consequences? **(10 Marks)**
- b) What are the various uses of water? How over usage of water leads to severe environmental dryness? **(10 Marks)**
7. a) What you mean by Bio-diversity? What are the different types of bio-diversity? Mention its values and how it can be conserved? **(10 Marks)**
- b) Differentiate between endangered and endemic species. How endemic species can be preserved? What are the various organizations working towards it? **(10 Marks)**