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DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – JUNE 2023

Semester: I

800MG117 ENVIRONMENTAL SCIENCE

Time: 3:00 Hours

Max. Marks: 100

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

1. a) Explain the four types of forests. (10 Marks)
b) State and explain with examples natural and manmade environments. (10 Marks)
2. a) Illustrate and explain the flow of energy in the eco- system. (10 Marks)
b) Define Nutrient cycle, Illustrate and discuss the hydrological cycle. (10 Marks)
3. a) What is noise pollution? Discuss the effects and control measures of noise pollution. (10 Marks)
b) Solid waste includes all discarded solid and semi-solid materials arising from various human activities. Discuss the sources of solid waste. (10 Marks)
4. a) What is Acid Rain? Discuss the formation of Acid rain and its effects. (10 Marks)
b) Define Nutrient (10 Marks)
 - (i) Terracing
 - (ii) Contour ploughing
 - (iii) Ozone
 - (iv) Percolation pond
 - (v) Ozone layer
5. a) How can an individual know that they have HIV/AIDs? Explain. (10 Marks)
b) What causes rapid population in a country? Explain (10 Marks)
6. a) State and explain five valuable elements that are found in the nutrient cycles and are essential to life. (10 Marks)
b) State Secondary succession and explain its involvement in the ecological succession. (10 Marks)
7. a) Disasters are in two types; Define and discuss with examples the two types of disasters. (10 Marks)
b) Discuss the two roles an individual can play in preventing pollution. (10 Marks)