

QP CODE 2045514404

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DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – DECEMBER 2024

Semester: IV

551/552 ES 45 ENVIRONMENTAL SCIENCE

Time: 3:00 Hours

Max. Marks: 100

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

1.	a)	What is an 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)	What are food chains, food webs and ecological pyramids? Illustrate. (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)	What is environmental Ethics? 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)	Define population. What is population growth and environment? (10 Marks)
	b)	What is population explosion? What are the environmental issues connected with increase population? (10 Marks)

6.	a)	What are the problems associated with natural resources? Explain how these problems affect the environment? (10 Marks)
	b)	What are the formidable consequences of the environmental degradation? What are the measures undertaken to prevent the extinction of life and the challenges faced by us? (10 Marks)
7.	a)	How pollution can be controlled? As an individual how do you help the nature by following the basic things in life? (10 Marks)
	b)	What is disaster management? What are the different ways in which the nature can be protected by such disasters? (10 Marks)