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KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2023/2024 ACADEMIC YEAR
SECOND YEAR, FIRST SEMESTER EXAMINATION
FOR THE DEGREE OF BACHELOR OF SCIENCE
(BUSINESS ADMINISTRATION)

Date: 11th December, 2023
Time: 11.30am –1.30pm

KLC 2308 - ENVIRONMENTAL STUDIES

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

NEMA Kenya

The National Environment Management Authority of Kenya (NEMA) is a national entity located in Kenya, which was established in 2002 with the objectives of supervising and coordinating environmental activities and serving as the main national body to implement environmental policies in all sectors within the country. In addition to its role as an environmental regulatory body, NEMA additionally implements its own projects. NEMA has vast experience in the field of climate change adaptation and mitigation, co-implementing projects ranging from US\$ 10 million to US\$ 255 million with local and international organizations. Some of its past and current activities include building resilience to climate change and adaptive capacity of vulnerable communities, environmental management, coastal development, technical assistance and natural resource management. With the accreditation to the Green Climate Fund (GCF), NEMA intends to develop country priority projects in line with the Kenya 2030 vision, national strategies on climate response and green growth, and the Kenya's climate change action plan. In particular, projects would be developed in the forestry, electricity, transportation, energy demand, agriculture and industrial processes sectors – six sectors identified as priorities based on their potential to mitigate greenhouse gas emissions by 2030. Accreditation to the GCF would allow NEMA to drive a paradigm shift towards low-emission and climate-resilient development pathways in its country.

Use above case study to answer the following questions

- a) Elaborate on three main functions of National Environment Management Authority of Kenya. (6 marks)
- b) The world is striving to go green through Green Climate Fund. Discuss three advantages of going green. (6 marks)
- c) Polythene bags use in Kenya is illegal, yet the same is still in use but through black market. Advice NEMA on three ways to totally eradicate polythene bag use in kenyan market. (6 marks)
- d) Discuss three green sources of energy used in kenya industries as advocated for by NEMA. (6 marks)
- e) Advice NEMA and Nairobi County government on the best three ways of disposing garbage in Dadora dump site. (6 marks)

QUESTION TWO (20 MARKS)

- a) Using example distinguish between renewable and non - renewable resources. (6 marks)
- b) Explain four environmental conservation measures applicable in Mombasa County to avoid flooding. (8 marks)
- c) Differentiate between abiotic and biotic components of an environment. (6 marks)

QUESTION THREE (20 MARKS)

- a) Identify four environmental natural resources and their economic importance. (8 marks)
- b) Discuss three importance of marine aquatic environment. (6 marks)
- c) Illustrate three economic importance of soil and rocks especially in agricultural zones. (6 marks)

QUESTION FOUR (20 MARKS)

- a) Using relevant examples, mention and explain four effects of human activities on environment. (8 marks)
- b) Analyze any three types of soil pollution available in our County. (6 marks)
- c) Explain five areas you will apply knowledge gained in environmental studies in your daily life as you interact with environment . (6 marks)

QUESTION FIVE(20 MARKS)

- a) Based on environmental studies, discuss four factors that influence man - animal conflicts in environment. (8 marks)
- b) Analyze three types of ecosystems and explain their use in the environment. (6 marks)
- c) Discuss three factors that influence poaching in environment. (6 marks)