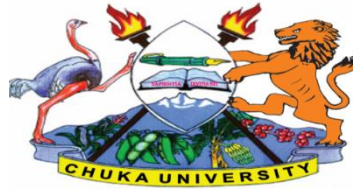


CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD DEGREE OF
BACHELOR OF ENVIRONMENTAL SCIENCE

NARE 461 : RESOURCE PLANNING, MONITORING AND EVALUATION

STREAMS: NARE Y3 S2

TIME: 2 HOURS

DAY/DATE: MONDAY 20/04/2020

11.30 A.M - 1.30 P.M.

INSTRUCTIONS:

- Answer ALL Questions in Section A and any Two questions in Section B

SECTION A [30 MARKS]

Q.1. Define the following terms

- a) Monitoring [1 Mark]
- b) Natural resources [1 Mark]

Q.2. a) Explain the importance of resource planning. [2 Marks]

- b) Outline the advantages of the bottom-up approach in resource planning. [3 Marks]

Q.3. Outline TWO methods used in resource survey and assessments. [3 Marks]

Q.4. Outline key challenges facing resource survey and assessments. [3 Marks]

Q5.a) Using a water body as an example, describe the components of the Driving force-Pressure-State- Impact-Response (DPSIR) framework in resource assessment. [5 Marks]

- b) Explain the significance of Ecosystem Services framework in resource planning and assessment. [5 Marks]

Q.6. Outline the key steps necessary for the preparation of a water management plan at local level. [6 Marks]

SECTION B [40 MARKS]

Q.7. Design a programme management cycle for a project of your choice and explain the relevance of all the elements in the project cycle. [20 Marks]

Q.8. As the Minister of Roads and Infrastructure Development, you have been tasked with developing strategies for easing traffic congestion in Nairobi City. You have proposed to construct a road passing through the Nairobi National park. Discuss the advantages and disadvantages of using a participatory approach to plan and execute the project. [20 Marks]

Q.9.a) Explain the key components of a logical framework. [10 Marks]

b) Assuming you are a Monitoring and Evaluation Specialist contracted by a donor to evaluate a five year project whose primary objective is to conserve Mt. Kenya forest while providing livelihood benefits to locals. Discuss how you would assess project impact and success. [10 Marks]

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