

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF
SCIENCE IN ENVIRONMENTAL SCIENCE**

ENSC 102: INTRODUCTION TO PHYSICAL ENVIRONMENT

STREAMS: BSC. ENV. SCI

TIME: 2 HOURS

DAY/DATE: MONDAY 14/04/2025

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS

- Answer all questions in section A and any other TWO in section B
- Do not write anything on the question paper

SECTION A (30 MARKS)

1. With illustrations, write short notes on the following
 - I. Reverse fault (2 marks)
 - II. Folding (2 marks)
 - III. Coriolis Force (2 marks)
2. Briefly explain the principle of uniformitarianism (6 marks)
3. Briefly explain any three forms of water related weathering (6 marks)
4. Briefly explain three factors that influence the distribution of coral reefs around the world (6 marks)
5. Describe the internal structure of the Earth and explain how it influences geological processes. (6 marks)

SECTION B (40 MARKS)

- 6 (a). Discuss the process of folding and its significance in shaping the Earth's surface (12 marks)
- (b). Explain any five features that can influence the climate of an area (8 marks)
7. a) Describe the key processes involved in the hydrological cycle (12 marks)
- b) Discuss the effects of human activities on biogeochemical cycling (8 marks)
8. Discuss the formation and characteristics of any natural hazards and effects to an urban population (20 marks)

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