

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
NATURAL RESOURCES MANAGEMENT**

NARE 214: MINEROLOGY AND MINERAL EXPLOITATION

STREAMS: BSC NARE

TIME: 2 HOURS

DAY/DATE: MONDAY 08/04/2024

11.30 A.M – 1.30 P.M.

INSTRUCTIONS:

- Answer ALL questions in SECTION A and any TWO questions in SECTION B
- Do NOT write anything on the question paper.

SECTION A (30 MARKS)

- Q1. Explain various criteria used in defining a mineral. (6 marks)
- Q2. Explain with examples how minerals are named. (6 marks)
- Q3. Briefly highlight the roles of minerals in economic development. (7 marks)
- Q4. Briefly discuss prograde and retrograde reactions process. (6 marks)
- Q5. Briefly discuss the geological processes eras. (5 marks)

SECTION B (40 MARKS)

- Q6. Discuss the general environments in which rocks are formed and modified. (20 marks)
- Q7. Discuss various properties of minerals. (20 marks)
- Q8. Discuss the physical form and genesis of kimberlite rocks. (20 marks)
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