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

NARE 457: MINING AND THE ENVIRONMENT

STREAMS: Y4S1

TIME: 2 HOURS

DAY/DATE: THURSDAY 06/12/2018

2.30 P.M – 4.30 P.M

INSTRUCTIONS

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

SECTION A

1. (a) Write brief notes on the following:
 - (i) Acid mine drainage [4 marks]
 - (ii) Surface mining and underground mining. [4 marks]
 - (iii) Ores. [4 marks]
2. Discuss three policies that are relevant to the mining process. [6 marks]
3. Discuss the effects of mining on human health. [6 marks]
4. Explain three factors that determine commercial productivity of metallic ore deposits.

[6 marks]

SECTION B

5. (a) "Mine areas are waste lands". Discuss this statement using relevant examples.

[10 marks]

(b) Explain the contribution of the mining sector to the rural economic development.

[10

marks]

6. Discuss the life cycle of a mining process. [20 marks]

7. (a) Discuss the importance of stakeholders' participation in the mining process.

[10

marks]

(b) Mining activities are threats to biodiversity conservation in Kenya. Discuss.

[10

marks]
