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KIBABII UNIVERSITY

UNIVERSITY EXAMINATION

ACADEMIC YEAR 2021/2022

SECOND YEAR SECOND SEMESTER MAIN EXAMINATIONS

BACHELOR OF EDUCATION ARTS

COURSE CODE: GEO 221

COURSE TITLE: PHYSICAL GEOGRAPHY

DATE: MAY 16, 2022

TIME: 9 – 11 AM

DURATION: 2 HOURS

INSTRUCTIONS TO CANDIDATES

ANSWER **ALL** QUESTIONS IN SECTION (A) AND ANY OTHER TWO QUESTIONS IN SECTION (B)

▶ **KIBU OBSERVES ZERO TOLERANCE TO EXAMINATION CHEATING**

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Kibabii University ISO 9001:2015 Certified
Knowledge for Development

SECTION A (compulsory questions)

1. (a) Describe the earth's troposphere. (6 marks)
- (b) Explain any three importance of the earth's ozone layer (6 marks)
- (c) Describe the Earth's core (8 marks)
- (d) Describe the three types of Islands (10 marks)

SECTION B (Optional Questions)

2. (a) Explain any four effects of tectonic movements on the lithosphere. (8 marks)
- (b) Describe the hot spot activities and explain its role in creating tensional and compressional forces beneath the earth's crust (12 marks)
3. (a) Describe the stages involved in sedimentary rock formation. (12 marks)
- (b) Explain any two sources of heat responsible for rock metamorphism. (8 marks)
4. Discuss the physical factors affecting run-off generation in a catchment. (20 marks)
5. Identify a volcanic feature in East Africa and discuss its potential economic impacts to the region. (20 marks)