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University Examinations 2022/2023

SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR THE DEGREE OF
BACHELOR OF EDUCATION ARTS

EGE 3151: PHYSICAL GEOGRAPHY

DATE: AUGUST 2023

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

- Coastal shape is affected by a number of factors. Discuss four factors which influence coastal morphology (8 marks)
- Interception refers to precipitation that does not reach the soil, but is instead intercepted by the leaves, branches of plants and the forest floor. Discuss four meteorological factors that affect interception rate (8 marks)
- Explain in details two types of aquifers (6 marks)
- Evaporation is the primary pathway that water moves from the liquid state back into the water cycle as atmospheric water vapour. Explain four significance of evaporation (8 marks)

QUESTION TWO (20 MARKS)

- Using an illustration explain ground water recharge and discharge (10 marks)
- Depositional coasts have abundant depositional features like deltas, bars, spits and reefs where new land has been built. Discuss reefs and how they are formed (10 marks)

QUESTION THREE (20 MARKS)

- a) The movement of water into various spheres plays an important part in changes that occurs on the earth. Explain five importance of water circulation to the living organism (10 marks)
- b) The most common agent of erosion in arid and semi-arid areas is wind. Explain Aeolian process and give examples of resultant features (10 marks)

QUESTION FOUR (20 MARKS)

- a) Discuss the process of chemical weathering with respect to Hydrolysis and Carbonation (10 marks)
- b) Floods have large social consequences for communities and individuals living in the flood prone areas. Discuss five effects of floods (10 marks)

QUESTION FIVE (20 MARKS)

According to land development theory, landforms, just like organisms evolve through various stages.

- i) Discuss the cycle of erosion in landscape development (10 marks)
- ii) Impacts of cycle erosion in the development of landscape (10 marks)