



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATION FOR POST GRADUATE DIPLOMA IN EDUCATION

COURSE CODE: ESM 712

COURSE TITLE: ENVIRONMENTAL EDUCATION

DATE: 31/01/2023

TIME: 9:00 – 12:00 PM

INSTRUCTIONS TO CANDIDATES

Answer any THREE questions. Each Question carries 20marks
TIME: 2 HOURS

This Paper Consists of 2 Printed Pages. Please Turn Over.

QUESTION ONE (30 marks)

- a) State **five** differences between renewable and non-renewable energy resources (5 marks)
- b) What are the control methods of noise pollution? (6 marks)
- c) By use of diagrams explain any one biogeochemical cycle (10 marks)
- e) Discuss the sources and causes of soil erosion (6 marks)
- f) Describe ozone depletion (3 marks)

QUESTION TWO (20 marks)

- a. Briefly describe the levels of Biodiversity and uses of Biodiversity (10 marks)
- b. Discuss the threats of Biodiversity and explain the conservation methods of Biodiversity. (10 marks)

QUESTION THREE

- a) Explain **five** renewable energy resources (10 marks)
- b) Discuss advantages and disadvantages of renewable energy sources. (10 marks)

QUESTION FOUR

- a) Discuss the effect of population growth on environment (10 marks)
- b) Discuss the development on the environment (10 marks)

QUESTION FIVE

- a). Explain energy flow in an ecosystem (5 marks)
- b). Discuss the main features of the environmental crisis (15 marks)