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**DEGREE PROGRAMME: PGDE**

**2022/2023 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER**

**SPECIAL/SUPPLEMENTARY EXAMINATION**

**COURSE CODE: ESM712**

**COURSE TITLE: ENVIRONMENTAL EDUCATION**

**DATE: 15<sup>TH</sup> AUGUST 2023**

**TIME: 2:00-4:00PM**

**INSTRUCTIONS TO CANDIDATES**

Answer **four** questions: Question **one (Compulsory)** and any other **three**

TIME: 2 Hours

### QUESTION ONE (30 MARKS)

- a). What do you understand by the following terms?
- i. Environmental crisis (2 mks)
  - ii. Biodiversity loss (2mks)
  - iii. Pollution. (2 mks)
- b). Briefly discuss the environmental changes brought about by agricultural revolution (8 mks)
- c). Citing example discuss education “about” and “for” environmental management. (4 mks)
- d). Give two reasons why the underdevelopment may result in environmental problems. (4 mks)
- e). What is the aim of the environmental management?(3 mks)
- f). State five core functions of NEMA in Kenya. (5 mks)

### QUESTION TWO (20MKS)

- a) Citing examples discuss three general environmental problems affecting Kenya and suggest ways of addressing each one of them (12 mks)
- b) Discuss the approach used to implement environmental education in Kenyan secondary schools (8 mks).

### QUESTION THREE (20 MKS)

Explain the environmental problems caused by underdevelopment and development (20 mks)

### QUESTION FOUR (20MKS)

- a) Outline five environmental consequences of development? (10 mks)
- b) Discuss five negative effects of the consequences of development? (10mks)

### QUESTION FIVE (20 MKS)

- a) State the historical roots of the environmental crises (4 mks)
- b) Outline five medium risks from global and national levels (5 mks).
- c) Briefly discuss six indicators of progressive loss of ecological stability. (10 mks)