



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

Faculty of Business & Social Studies

DEPARTMENT OF LIBERAL STUDIES, COMMUNITY DEVELOPMENT &
COUNSELING

DIPLOMA IN COMMUNITY DEVELOPMENT COUNSELLING

(DCDC J08)

ENVIRONMENTAL HEALTH EDUCATION

END OF SEMESTER EXAMS

SERIES: APRIL/MAY 2010.

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

1. You need to have the following for this examination.
 - Answer booklet.
2. The paper consists of **TWO** Sections **A** and **B**.
3. Section A is **COMPULSORY** and carries 30 marks.
4. Answer any **TWO** from Section **B**, each carries twenty marks.

SECTION A

Answer **ALL** questions from this Section – 30 marks

- Q.1 (a) (i) Explain the use of composting as a method of solid waste disposal. (5 marks)
- (ii) Define the term sewage and briefly state the aims of the stages involved in sewage treatment. (4 marks)
- (b) State and define the sanitary classes of water. (6 marks)
- (c) Explain how the following concepts are relevant to the study of environmental health.
- (i) Risk and Benefits. (4 marks)
- (ii) Community Resources and Action. (4 marks)
- (d) Outline the role of environmental health education in the primary prevention of disease in a community. (7 marks)

SECTION B

Answer any **TWO** questions from this Section – 40 marks

- Q.2 (a) State briefly how the emission of carbon dioxide is responsible for global warming effect. (4 marks)
- (b) Outline the forms of pollution noted commonly in Kenya. (16 marks)
- Q.3 (a) Discuss the concepts about waste management. (9 marks)
- (b) Define the term toxicity and outline the toxicity scale used in environmental health study. (9 marks)
- (c) List **FOUR** major sources of contamination of foods. (2 marks)

Q.4 Briefly outline the use of the following in the treatment of liquid wastes.

(a) Activated sludge (10 marks)

(b) Anaerobic digester. (10 marks)