



KIBABII UNIVERSITY
2017/2018 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER
MAIN EXAMINATIONS

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN RENEWABLE ENERGY AND
BIOFUELS TECHNOLOGY**

COURSE CODE: IET 283

COURSE TITLE: ENVIRONMENTAL MANAGEMENT

DATE: 10/10/2018. TIME: 11:30-1:30PM

INSTRUCTIONS TO CANDIDATES

Answer question ONE and any other two questions

This paper consists of 2 printed pages. Please Turn over

Question One

- (a) State any FIVE examples of environment issues of global significance. [5 Marks]
- (b) Explain what is meant by 'Ozone layer depletion' [3 Marks]
- (c) Describe how ozone is formed [4 Marks]
- (d) Explain any Four impacts of Ozone Layer depletion [4 Marks]
- (e) Explain the impact of Global warming [5 Marks]
- (f) List any three important GHG [4 Marks]
- (g) Explain the principle of integrated solid waste management [5 Marks]

Question Two

- (a) Explain briefly the major provisions of Kyoto Protocol [6 Marks]
- (b) (i) What do you understand by Conference of Parties (CoP) [4 Marks]
- (ii) Explain the objectives of CoP [10 Marks]

Question Three

- (a) Define environment [3 Marks]
- (b) Define "cleaner production" [3 Marks]
- (c) State main objective of "cleaner production" [2 Marks]
- (d) List examples six of "cleaner production" [12 Marks]

Question Four

Explain the role of NEMA in environmental conservation in Kenya [20 Marks]

Question Five

Our Common Future, also known as the Brundtland Report, from the UN World Commission on Environment and Development was published in 1987. In the report sustainable development was defined as: **[20 Marks]**

“Development that meets the needs of the present without compromising the ability of future generations to meet their own needs.” (Brundtland Report, 1987)

Briefly explain how this can be accomplished, especially in regard to energy production and consumption