



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DIPLOMA IN SPECIAL NEEDS EDUCATION**

CITY CAMPUS

EDSE 112: SCIENCE

Date: 12th June, 2017

Time: 2.00 - 5.00 pm

INSTRUCTIONS:

- Answer question ONE and any other THREE questions.



Instructions: Answer Question ONE and THREE Other Questions.

QUESTION ONE

- a) Outline **four** importance of personal hygiene. (4 marks)
- b) State **four** symptoms of a person infected with tuberculosis. (2 marks)
- c) Outline **six** elements of weather (3 marks)

- d) Explain **five** characteristics of plants. (5 marks)
- e) Explain **three** conditions necessary for seed germination. (6 marks)

- f) State **five** characteristics of arthropods. (5 marks)

QUESTION TWO

- a) State **five** reasons why mercury is used in a thermometer. (5 marks)
- b) Outline five properties of sand soil. (5 marks)
- c) Describe the life cycle of insects. (5 marks)

QUESTION THREE

- a) State **five** abiotic factors of environment that affect an organism. (5 marks)
- b) Explain **five** properties of nitrogenous fertilizers. (10 marks)

QUESTION FOUR

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- a) Outline five causes of air pollution. (5 marks)
 - b) Explain five adaptations of xerophytes. (10 marks)

QUESTION FIVE

- a) Explain **three** classes of levers. (6 marks)

- b) Outline **five** advantages of friction. (5 marks)
- c) Outline **four** characteristics of monocotyledons. (4 marks)

QUESTION SIX

- a) Outline **five** signs and symptoms of unhealthy crops. (5 marks)
- b) Discuss **five** ways of vegetative propagation used by Kenyan farmers.
(10 marks)