



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF EDUCATION
UNIVERSITY EXAMINATION FOR THE DIPLOMA IN SPECIAL NEEDS
EDUCATION
MAIN CAMPUS REGULAR
2ND YEAR 1ST SEMESTER 2016/2017 ACADEMIC YEAR

COURSE CODE: DSN 2217

COURSE TITLE: SCIENCE AND AGRICULTURE

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME:

Instructions:

- 1. Answer Question ONE (COMPULSORY) and ANY other 2 questions**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A (30 MARKS)

1. a) Define the following terms as used in Science:
 - i) Science
 - ii) Skill
 - iii) Hygiene
 - iv) Astronomy
 - v) Energy
- b) Explain four differences between static view and dynamic view of science (8 marks).
- c) Identify four characteristics of dicotyledons (4 marks).
- d) Identify six properties of clay soil (6 marks).
- e) Give two groups into which invertebrates are subdivided (2 marks).

SECTION B (40 MARKS) Answer ANY TWO QUESTIONS from this section

2. a) Explain six skills a scientist may use in the process of scientific experiments or investigations (12 marks).
- b) Describe four strengths of the dynamic view in the teaching and learning science (8 marks)
3. a) Describe five functions of the skin as a sense organ (10 marks)
- b) Explain five ways in which the spread of tuberculosis (TB) can be prevented (10 marks)
4. a) Using examples identify four importance of soil (8 marks).
- b) With the aid of a clearly drawn diagram, identify and explain the different layers of soil profile (12 marks)
5. a) Explain **SIX** characteristics of plants (12 marks)
- b) Explain **FOUR** advantages of vegetative propagation in plants (8 marks)