



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF EDUCATION
UNIVERSITY EXAMINATION FOR DIPLOMA IN SPECIAL NEEDS EDUCATION
SEMESTER 2016 ACADEMIC YEAR
MAIN CAMPUS

COURSE CODE: ESE 205

COURSE TITLE: COGNITION AND LEARNING PROCESSES

EXAM VENUE:

STREAM: (DIP SNE)

DATE:

EXAM SESSION:

TIME: 1½ HOURS

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.**

QUESTION ONE.

a) Briefly explain by giving examples what happens at each of the following information processing;

i) Encoding.

ii) Storage.

lii) Retrieval. (9 marks).

b) Explain three major types in each of the following perceptual areas and suggest two remedial strategies for each skill type.

i) Auditory Perception. (10 marks)

ii) Visual Perception. (10 marks)

c) Define the word schema (1 mark)

QUESTION TWO

Using examples discuss Piaget's four stages of cognitive development and their implications to learners with special needs. (20 marks).

QUESTION THREE

Discuss the role of environmental factors in learning. (20 marks)

QUESTION FOUR

Explain how language is developed among children using Erickson's theory (20 marks)

QUESTION FIVE)

a) Differentiate between short and long term memory (6 marks)

b) Explain how long term memory takes place (8 marks)

c) State the effects of long term memory on a child's academic performance (6 marks)