



JARAMOGI ODINGA OGINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF EDUCATION, HUMANITIES AND SOCIAL SCIENCES

**UNIVERSITY EXAMINATION FOR THE DEGREE OF SPECIAL NEEDS
EDUCATION**

YEAR 3, SEMESTER 1, 2022/2023 ACADEMIC YEAR .

MAIN CAMPUS, REGULAR.

COURSE CODE: ESB 3204

COURSE TITLE: COGNITION AND LEARNING PROCESSES

DATE: 16/12/22

VENUE:LAB 8

TIME: 2 HOURS

EXAM SESSION: 15.00-17.00PM

Instructions:

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

QUESTION ONE:

- (a) Define the following terms:
- (i) Learning (2 marks).
 - (ii) Cognition (2 marks).
- (b) Explain the two terms – assimilation and accommodation with reference to concept formation and skills acquisition in cognitive process. (6 marks).
- (c) Using examples, explain the term reflexes in human development and give the stage of life when they are very significant. (6 marks).
- (d) Assess the significance of learning about Naom Chomsky’s theory of language development by student teachers in a university. (6 marks).
- (e) Bandura poses **observation** as a form of learning. How can a teacher apply it to encourage effective leaning in a classroom. (4 marks).
- (f) With specific examples, differentiate between a concept and a skill in cognitive development or in learning. (4 marks).

QUESTION TWO:

- (a) Using examples, explain **any three** differences between imitative and observational learning approaches. (9 marks).
- (b) Assess the process that made Skinner (1978) to resolve to reinforcement as a strategy to encouraging learning among students. (11 marks).

QUESTION THREE:

- (a) Assess **Pavlovian Classical Conditioning Theory** as a demonstration of associative learning (15 marks).
- (b) What arguments can you bring forth to show its significance to teaching in a classroom situation? (5 marks).

QUESTION FOUR:

- (a) Assess the last two stages of cognitive development according to Piaget's (1972) giving their relevance to a teacher as a professional. **(14 marks).**
- (b) Discuss any two criticisms about Piagetian stages of cognitive development. **(6 marks).**

QUESTION FIVE:

- (a) Discuss the process of effective learning as given in Vygotsky's ZPD (1978) **(14 marks).**
- (b) Elicit some challenges the teachers may encounter in applying these preposition in the classroom. **(6 marks).**