



MACHAKOS UNIVERSITY

University Examinations 2016/2017

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL PSY, ECE & SNE

THIRD YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF
EDUCATION

ECE 307: HUMAN LEARNING

DATE: 28/7/2017

TIME: 2:00 – 4:00 PM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Citing relevant examples, define the following terms (6 marks)
 - i Learning
 - ii Exceptional learners
 - iii Vicarious conditioning
- b) Explain three differences between the classical conditioning and operant conditioning (6 marks)
- c) Explain what you can do to make the use of reinforcement effective in the classroom. (10 marks)
- d) Describe four ways in which teacher can measure memory (8 marks)

QUESTION TWO (20 MARKS)

- a) Explain five ways a teacher can use punishment effectively in the classroom. (10 marks)
- b) Briefly explain how you can use the incentive theory of motivation to improve learning in the classroom. (10 marks)

QUESTION THREE (20 MARKS)

- a) Giving appropriate examples, differentiate between the following schedules of reinforcement
- i. Fixed interval
 - ii. Variable interval
 - iii. Fixed ratio
 - iv. Variable ratio (8 marks)
- b) Briefly discuss educational implications of constructivist theories of learning. (6 marks)
- c) With use of examples, explain the meaning of the following obstacles to problem-solving: (6 marks)
- i. Lapses of memory
 - ii. Unwarranted assumptions
 - iii. Functional fixedness

QUESTION FOUR (20 MARKS)

Outline the basic assumptions of the following theories of learning? (20 marks)

- a) Social learning theory
- b) Operant conditioning theory of learning
- c) Constructivism theory of learning
- d) Cognitive theory of learning
- e) Gestalt theory of learning

QUESTION FIVE (20 MARKS)

- a) Define the term transfer of learning (2 marks)
- b) Describe three (3) types of transfer of learning (6 marks)
- c) Explain how a teacher can maximize transfer of learning in class (12 marks)