



## **GARISSA UNIVERSITY**

**UNIVERSITY EXAMINATION 2017/2018 ACADEMIC YEAR THREE  
SECOND SEMESTER EXAMINATION**

**SCHOOL OF EDUCATION, ARTS AND SOCIAL SCIENCES**

**FOR THE DEGREE OF BACHELOR OF EDUCATION (ARTS)**

**COURSE CODE: EPE 314E**

**COURSE TITLE: METHODS OF TEACHING SCIENCE IN EPE**

**EXAMINATION DURATION: 2 HOURS**

**DATE: 10/04/18**

**TIME: 3.00-6.00 PM**

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### **INSTRUCTION TO CANDIDATES**

- The examination has **SIX (6)** questions
- Question **ONE (1)** is **COMPULSORY**
- Choose any other **THREE (3)** questions from the remaining **FIVE (5)** questions
- Use sketch diagrams to illustrate your answer whenever necessary
- Do not carry mobile phones or any other written materials in examination room
- Do not write on this paper

**This paper consists of TWO (2) printed pages**

***please turn over***



### QUESTION ONE (COMPULSORY)

- (a) Dynamic approach is the one recommended in science teaching. Explain four reasons why some teachers instead use static approach [8 marks]
- (b) Identify five learning facilities that enhance learning in primary schools [5 marks]
- (c) Describe four ways of enriching the school with learning resources [4 marks]
- (d) State five objectives of teaching science in primary schools in Kenya [5 marks]
- (e) Self-confidence is one of the scientific attitudes a learner needs to perform well in science. Explain how it can be promoted to learners by their teacher [3 marks]

### QUESTION TWO

- (a) Discuss four teaching methods that use dynamic approach [9 marks]
- (b) Explain three reasons why essay test is rarely used in lower primary schools. [6 marks]

### QUESTION THREE

- (a) One of the common practicals in primary school science is on Soil drainage. Learners are always provided with different soil samples, beakers and measuring cylinder. Explain the scientific skills the learners gain by carrying out the experiment [9 marks]
- (b) Explain three activities that promote the attitude of curiosity to a learner in primary school [6 marks]

### QUESTION FOUR

- (a) Write short essay on different types of objective test [9 marks]
- (b) Give possible reasons why teachers prepare scheme of work [6 marks]

### QUESTION FIVE

- (a) Discuss factors that should be put into consideration when preparing a science program in a school [9 marks]
- (b) Outline the importance of preparing a lesson plan in science teaching [6 marks]

### QUESTION SIX

- (a) Discuss four tools that a teacher should always use to improve student learning in science [8 marks]
- (b) State at least seven components of a school laboratory [7 marks]

