

MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS**

**2016/2017 ACADEMIC YEAR**

**THIRD YEAR SECOND SEMESTER**

**SCHOOL OF EDUCATION**

**BACHELOR OF EDUCATION IN ECDE**

**COURSE CODE: ECDE 327**

**COURSE TITLE: METHODS OF TEACHING**

**SCIENCE AND ENVIRONMENTAL STUDIES**

**DATE: 7TH JULY, 2017 TIME: 0830 – 1030HRS**

**INSTRUCTIONS TO CANDIDATES**

**ANSWER ALL QUESTIONS IN SECTION A (COMPULSORY) AND ANY OTHER TWO IN SECTION B**

*This paper consists of 2 printed pages. Please turn over.*

**SECTION A (30 MARKS)**

1. a) Explain the role of a science teacher in an ECDE classroom. ( 5mks)

b)State five attitudes and habits that learners should be supported to model as scientists. (5mks)

c) Define the method ‘Factual approach’ and explain when it is appropriately used. (5 mks)

d)Discuss in your own words the points a teacher should consider when performing a demonstration to the children. (5mks)

e)In the process approach, the learners are involved on the examination of what the scientist does. What activities are they involved in?(5mks)

f) Describe the factors that determine the emphasis given to each approach in the teaching of science. (5mks)

**SECTION B (40 MARKS)**

1. a) Firsthand experience is an important method of teaching science. Using examples discuss the advantages of using this method.(10mks)

 b) Explain the reasons that can lead to the use of demonstration as a method of teaching. (10mks)

 3 a) Field trips require proper planning in every stage . Explain what to

                plan for and what to put in place during the visit. ( 10mks)

 b) Discuss the 5-E model of science instruction. (10mks)

 4 a)With the use of examples, give the meaning of the acronym S.M.A.R.T as

             a requirement of constructing appropriate objectives. (10mks)

 b) Draw a sample lesson plan showing the stages in the presentation of the activity in a Class. (10mks)

5 a) Briefly explain the general objectives of science in Early Childhood Education. (10mks)

 b) Identify the activities that children should be engaged in learning to work like scientist. (10mks)

**//END**