



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF EDUCATION

DEPARTMENT OF EARLY CHILDHOOD EDUCATION & EDUCATIONAL

COMMUNICATION & TECHNOLOGY

SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF EDUCATION

ECE 206: SCIENCE AND MATHEMATICS FOR EARLY CHILDHOOD EDUCATION

DATE: 27/9/2019

TIME: 2.00-4.00 PM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

1. a) (i) Write five (5) objectives of Mathematical Activities in Early Childhood Education. (10 marks)
(ii) Identify five (5) Activities that would help to achieve one of the objectives stated above. (5 marks)
- b) (i) Write five (5) objectives of Scientific Activities in Early Childhood Education. (10 marks)
(ii) Identify five (5) Activities that would help to achieve one of the objectives stated above. (5 marks)
2. With reference to Dramatization or Role play describe five suitable activities you would implement to promote Hygiene and Nutrition for learners at pre-primary level. (20 marks)
3. Describe **five** (5) steps you would use to help learners engage in pre-number activities. (20 marks)
4. Explain and illustrate **five** (5) steps you would use to teach learners to develop behaviour for caring for the environment. (20 marks)
5. Miller's Pyramid that illustrates the levels of competence points out the levels: **Knowing; showing; showing how; doing**. Illustrate how this sequence is relevant to the design of learning activities for ECE. (20 marks)
6. Write a brief essay on one of the following topics: (20 marks)
 - a) Principles of teaching in ECE.
 - b) Attitude development in ECE.
 - c) The role of parents in ECE.
 - d) Components of the Competence-Based Curriculum.