

MACHAKOS UNIVERSITY 2019 EXAMINATIONS

ECE 206: SCIENCE AND MATHEMATICS FOR EARLY CHILDHOOD EDUCATION (SUPPLEMENTARY).

Answer Question one and any two others.

- Q1. (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).
- Q2. With reference to Dramatization or Role play describe suitable activities you would implement to promote Hygiene and Nutrition for learners at pre-primary level. (20 marks).
- Q2. Describe **five** (5) steps you would use to help learners engage in pre-number activities. (20 marks).
- Q3. Explain and illustrate **five** (5) steps you would use to teach learners to develop behaviour for caring for the environment. (20 marks).
- Q4. 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).
- Q5. Write a brief essay **on one of the following topics**: (20 marks).
- (i) Principles of teaching in ECE.
 - (ii) Attitude development in ECE.
 - (iii) The role of parents in ECE.
 - (iv) Components of the Competence-Based Curriculum.