



MACHAKOS UNIVERSITY

DIPLOMA ECDE

SCIENCE ACTIVITIES

Answer any question and other 4 questions.

- 1 a). Explain six situations that qualify a science activities teacher to use demonstration method of teaching. (12 Mks)
b). Outline four advantages of the experimentation method of teaching science activities (8 Mks)
- 2 a). Describe five themes taught to preschool levels in ECDE curriculum. (10 Mks)
b). Highlight five characteristics of a child centred science activities lesson. (10 Mks)
- 3 a). State five factors to consider when choosing a recording method in the effective teaching science activities. (10 Mks)
b). Describe five teaching methods applied by science activities teachers in teaching to form a sound basis for science activities to their learners. (10 Mks)
- 4 a). Enumerate five methods of record keeping for science activities class. (10 Mks)
b). Highlight the first five scientific steps in the process of solving problems. (10 Mks)
- 5 a). Describe five skills developed by children when learning science. (10 Mks)
b). Explain the nature of African Indigenous science. (10 Mks)
- 6 a). State five factors to bear in mind when choosing a recording method. (10 Mks)
b). Draw a simple weather chart to depict observations made during a wet season. (10 Mks)
- 7 a). Define the following terminologies. (10 Mks)

- i. Science
- ii. Process
- iii. Hypothesis
- iv. Skill
- v. Disposition

b). Cite any five general objectives of Early Childhood Development and Education.

(ECDE)

(10 Mks)