COURSE CODE: ESN 2223
COURSE TITLE: SPECIFIC METHODS OF TEACHING SCIENCE
EXAM VENUE: STREAM: (DIP SNE)
DATE: EXAM SESSION:
TIME: 2 HOURS.

Instructions

1. Answer question ONE (COMPULSURY) and ANY other 2 questions.
2. Candidates are advised not to write on the question paper.
3. Candidates must hand in their answer booklet to the invigilator while in the examination room.
Q1

a. Explain the following terms as used in teaching primary science
   - Illustration (2 marks)
   - Demonstration (2 marks)

b. Explain two types of questions commonly asked in science giving one example of each (2 marks)

c. Examine four strategies of involving every learner in questioning (4 marks)

d. Outline four resources that can be used in teaching science (4 marks)

d. Explain two teaching and two learning activities that can be applied in a science class (4 marks)

e. Examine two major reasons for lesson planning in science (4 marks)

f. State two ways of assessing learners in a science lesson (2 marks)

g. Analyze two characteristics of a good test (2 marks)

h. Outline eight materials you would need to carry out an experiment “Solubility of Substances” in science. (4 marks)

Q2. Analyse ten objectives of teaching primary science giving relevant content in each objective (20 marks)

Q3. Draw a one week science scheme of work for standard six and from the scheme, extract one lesson plan (20 marks)

Q4. Define an Individualized Education Programme (I.E.P.) and discuss its major components in relation to science teaching (20 marks)

Q5a Examine six methods of teaching science (12 marks)

b Outline four advantages of assignment learning approach in science (4 marks)

c. Enumerate four related services that can be given to science learners in an Individualized Education Programme (I.E.P.) (4 marks)