

KABARAK



UNIVERSITY

EXAMINATIONS

2008/2009 ACADEMIC YEAR

**FOR THE DEGREE OF BACHELOR OF EDUCATION
SCIENCE**

COURSE CODE: EDUC 322

**COURSE TITLE: SPECIAL METHODS OF TEACHING
BIOLOGY**

STREAM: SESSION VI

DAY: TUESDAY

TIME: 9.00 – 11.00 A.M.

DATE: 7/04/2009

INSTRUCTIONS:

Answer **ALL** the questions.

Scores for each item are indicated in parentheses at the end of each item.

PLEASE TURN OVER

1. On the line to the left of each year of Biology curriculum innovation in Column I, write the letter from column II that identifies the curriculum innovation that was introduced during the year indicated.

COLUMN I

COLUMN II

_____ 1963

A Biological Science Curriculum Study

_____ 1967

B The Nuffield Science Project

_____ 1974

C Biology for Secondary School Teachers

_____ 1985

D UNESCO Pilot Project

_____ 1969

E Traditional Biology

F School Science Project

G 8-4-4 Biology Curriculum

H General Science Curriculum.

(20mks)

2. What are the characteristics of a well managed Biology practical class?
(10mks)
3. Describe the main distinguishing features of the following teaching methods?
- a) Lecture method (7mks)
 - b) The practical method (7mks)
 - c) The demonstration method (6mks)
4. a) What is a field visit? (2mks)
- b) Discuss how you would ensure the effectiveness of a field trip as a teaching method as well as an assessment tool. (18mks)
5. What are the main features of a good biology laboratory? (20mks)
6. Assume that you have been posted to a school which has only an empty room assigned for teaching biology.
- a) State any three (3) innovations that you would introduce in the teaching of biology in the school. (3mks)
 - b) Discuss the necessity of these innovations and how you would ensure that they are established in the school. (17mks)