



NATIONAL OPEN UNIVERSITY OF NIGERIA
91 Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi, Abuja
FACULTY OF EDUCATION
2024 1 EXAMINATION

COURSE CODE: EDU750

CODE TITLE: BIOLOGY METHODS

CREDIT UNIT: 2

TIME ALLOWED: 2 Hours

INSTRUCTION: Answer question 1 and any other two questions

- 1a Highlight any 8 useful biology laboratory management techniques that may help the biology teacher (8 marks)**
- 1b. Highlight any six important items in preparing an accident and first aid record book in the Biology laboratory (3 marks)**
- 1c. Enumerate and explain the six classifications of Bloom (1956) skills for meaningful evaluation in Biology. (15 marks)**
- 1d. Enumerate the 4 types of objective questions. (4 marks)**
- 2. a Vividly explain the affective domain based on its importance in educational assessment. (14 marks)**
- 2 b. State the 3 types of Affective Measures. (6 marks)**
- 3 (a) Write short notes on the following:(10 marks)**
- a. manipulative skills**
 - b. skill in observation and accurate recording of observations**
 - c. ability to interpret results of planned experiments**
 - d. ability to plan and carry out experiments**
- 3 (b) Explain the phases two and three –Laboratory Sessions in Biology teaching. (10 marks)**
- 4. (a) i. Describe lecture method in Biology Teaching, (2 marks)**
- ii. state any 3 disadvantages of the lecture method. (6 marks)**
- iii. suggestion any 3 ways for the effective use of Lecture Method. (6 marks)**
- 4b. List any 4 advantages of project method over lecture method. (6 marks)**

Determine the:

- i. Total cost of agricultural sector input.
- ii. Total cost of industrial sector input.
- iii. Final demand
- iv. Total revenue of agricultural sector.
- v. Total output of industrial sector.
- vi. Total value added.
- Vii. Total values of input and output

QUESTION THREE

20MARKS

3a. The United Nations identified and listed some significance of input - output models in development planning, highlight this importance. 3b.

Discuss the key components of development planning models.

QUESTION FOUR

20MARKS

4a. Describe the uses of social accounting matrix as a tool for macroeconomic planning.

4b. Concisely, explain comparative-static type of computable general equilibrium (CGE) model

4c. Briefly discuss the uses of computable general equilibrium (CGE) model.