



NATIONAL OPEN UNIVERISTY OF NIGERIA

Plot 91Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja

DEPARTMENT OF SCIENCE EDUCATION

2022_2 POP EXAMINATION

COURSE CODE: SED831

COURSE TITLE: CURRICULUM TRENDS IN SCIENCE EDUCATION

CREDIT UNIT: 3

TIME ALLOWED: 3 HOURS

INSTRUCTION: ANSWER ONE AND ANY OTHER THREE QUESTIONS

1a. Enumerate what you will consider as the four (4) prior knowledge of your Senior Secondary School One (SSS 1) student in science subjects. **8MARKS**

b. Nigeria science curriculum shared same content with that of the United Kingdom. What were the five (5) expectations of the curriculum committee before the implementation of both curricula. **10MARKS**

c. Identify four (4) science subjects found in secondary schools and three (3) curriculum development organisation **7MARKS**

2a. Discuss some three (3) major ways by which women participation in Science Technology and Mathematics Education can be further enhanced. **9MARKS**

b. Discuss convincingly, the effect of the following Affective characteristics on learning and educational achievement.

i. Negative attitude on performance and enrolment in science. **3MARKS**

ii. Negative attitude on nations aspirations for science and technology **3MARKS**

3. Suggest five (5) practical solutions to science language problem. **15MARKS**

4. Modern Science and Technology is a foreign culture. Discuss? **15MARKS**

5a. Identify the eight (8) themes of Nuffield Secondary Science **8MARKS**

b. Categorize them into physical and biological issues **4MARKS**

c. Indicate the pupils activities in Nuffield Secondary Science **2MARKS**

d. What name will you give to a curriculum that emphasize this type of pupil's activities? **1MARK**