



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
Plot 91 Cadastral 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**