



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
University Village, 91 Cadastral Zone, NnamdiAzikiwe Expressway, Jabi, Abuja

**FACULTY OF EDUCATION**  
**DEPARTMENT OF SCIENCE EDUCATION**  
**APRIL/MAY 2019\_ 1 EXAMINATION**

**COURSE CODE: SED422**

**COURSE TITLE: INTEGRATED SCIENCE CURRICULUM DESIGN AND IMPLEMENTATION**

**CREDIT UNITS : 2**

**TIME ALLOWED: 2 HOURS**

**INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER TWO**

1a. Define curriculum and explain the main characteristics of the curriculum. **(10 marks)**

b. Give five (5) misconceptions about the curriculum. **(10 marks)**

c. Explain the concept of Integrated Science. **(10 marks)**

**(30 marks)**

2. State the functions and activities of any four (4) of the following curriculum development agencies;-

- i. National Teachers Institute. **(5 marks)**
- ii. National Educational Technology Centre. **(5 marks)**
- iii. Nigerian Educational Research and Development Council. **(5 marks)**
- iv. National Board for Technical Education. **(5 marks)**
- v. National Universities Commission. **(5 marks)**
- vi. National Commission for Colleges of Education. **(5 marks)**

**(20 marks)**

3. a. Discuss the aims and functions of the Science Teachers Association of Nigeria. **(10 marks)**

b. Write briefly on the following terms:-

- i. Curriculum implementation. **( 5 marks)**

ii. Curriculum evaluation. ( **5 marks**)

**(20 marks)**

4. a. Highlight and explain any three (3) principles that should be considered when designing integrated science curriculum. ( **10marks**)

b. List any three (3) important questions that should be raised when presenting the pre-requisites for designing an integrated science curriculum. **(10 marks)**

**(20 marks)**