



NATIONAL OPEN UNIVERSITY OF NIGERIA

91 Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi, Abuja

FACULTY OF EDUCATION

**2024\_2 EXAMINATION**

**COURSE CODE SED 315**

**COURSE TITLE: Nigerian Primary/Secondary School Science/Mathematics Curricula.**

**INSTRUCTION. Attempt Question one and any other two Questions.**

**CREDIT: 2**

**TIME: 2 hours.**

**QUESTION ONE**

- a. **Giving** three **relevant** examples, show how the objectives of primary school mathematics is tailored in line with the overall objectives of primary school education [12mks]
- b. Write any three instructional approaches and strategies the primary science teacher can use to help pupils develop positive attitude towards the learning of primary science [12mks]
- c. Identify any three likely **challenges** the teacher can encounter in helping the learner achieve objective [6mk]

**QUESTION TWO**

- a. Give a brief description of the junior secondary education system in Nigeria [6mks]
- b. State any four overall objectives of junior secondary school science education in Nigeria [4mks]
- c. Identify any five **factors** that the secondary school science teacher will need in order to select a science topic for instruction [10mks]

**QUESTION THREE**

- a. Give any simple definition of curriculum [3mks]
- b. What is curriculum organization [3mks]
- c. State any three factors that influence curriculum organization [6mks]

- d. Identify any four factors that are involved in the process of curriculum organization [8mks]

#### **QUESTION FOUR**

- a. State any five factors or variables the science or mathematics will consider before selecting method for successful instruction practice [10mks]
- b. Give any five justifications for the effectiveness of methods and treatment as essential determinants of successful learning of science and mathematics by the students [10mks]