



NATIONAL OPEN UNIVERSITY OF NIGERIA

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

DEPARTMENT OF SCIENCE EDUCATION.

EXAMINATION: 2021_2
COURSE CODE: SED314
COURSE TITLE: AFRICAN COSMOLOGY AND INTEGRATED SCIENCE
CREDIT UNIT: 2
TIME ALLOWED: 2 HOURS
INSTRUCTION: ANSWER THREE QUESTIONS FROM FOUR, ALL QUESTIONS CARRY EQUAL MARKS

ONE Mark will be awarded for orderly presentation of answers

1a. The African worldviews belief system are influenced by the various religious practices he is involved in. Identify the four (4) categories that the various African religious practices brought to his belief system as postulated by Mbiti (1969). **4MARKS**

b. In two (2) sentences, explain the term Cosmovision. **4MARKS**

c. Africa as a people is blessed with a lot of natural resources which when tapped will provide sources of income for the continent. Critically identify and explain five (5) African practices that can provide sources of income. **15MARKS**

2a. Identify five (5) possible constellations of knowledge that the interaction of the human, natural and spiritual worlds can generate. **5MARKS**

b. Discuss nine (9) African Contributions to Science, Technology and Development **18MARKS**

3a. Suggest Four (4) rationale for the teaching of Integrated Science to learners in Secondary schools. **4MARKS**

b. Based on the reasons why Integrated Science is taught to learners, list ten (10) skills you think the learners under your tutelage will acquire. **10MARKS**

c. Identify and briefly discuss the three (3) elements of integration of African traditional science. **9MARKS**

4a. Trace the history of African science to prove its existence since Babylonia era. **18MARKS**

b. Identify and briefly discuss the two (2) different elements of African language groups that have different names of African supreme beings. **5MARKS**