



NATIONAL OPEN UNIVERSITY OF NIGERIA
91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
Department of Science Education
FACULTY OF EDUCATION
2024_2 EXAMINATION

SED 811: Foundations of Science Education

COURSE UNIT: 3

TIME: 2 HRS 30 MINS

INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER 3 QUESTIONS

QUESTION ONE

1 a) State three attributes of science by which authors attempted the definition.

3 marks

b) Explain the scientific world view

9 marks

c) Discuss the main concerns of philosophy of science

8 marks

d) Highlight some reasons why government policy on equity in

Science has not been fully actualized

5 marks

2a) Describe how humankind treats nature and natural events.

10 marks

b) Highlight how teachers can foster scientific attitudes to through Biology in the

5 marks

3 a. Explain the first and second principles of constructivism

10 marks

b. Highlight five (5) roles of the teacher in promoting scientific literacy in students

5 marks

4 a) State reasons why you think science teaching should be humanized

5 marks

a) Science and politics are inseparable' Discuss.

10 marks

5. a) Write short notes on:

i) Greek Science ii) Bacon Science

15 marks