



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja

FACULTY OF EDUCATION
2024 1 EXAMINATION

COURSE CODE: SED811
COURSE TITLE:
TIME: 2 HRS 30MINS

INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER 3 QUESTIONS

QUESTION ONE

- 1 a i) Explain products and processes as major aspects of scientific world-view 6 marks
ii) Mention three (3) types of scientific Knowledge 3 marks
b) Give a brief description of epistemology as a branch of philosophy 5 marks
c) State eight (8) reasons why there are disparities in girls' education and boy's education in science 8 marks
d) Highlight the Implications of Kuhn's view to science teaching 3 marks
- 2a) Discuss the Greek Science and state why it failed 9 marks
b) Highlight some reasons why government plan for equity in science failed 6 marks
3. a) Give a brief description of radical constructivism 7 marks
b) Discuss what helped Japan to become a developed nation, 8 marks
- 4 a) State five (5) reasons why you think science teaching should be humanized 6 marks
b. Discuss five (5) reasons to support the statement that 'Science and politics are inseparable' 9 marks
5. a) Highlight reasons for advocating for Science education of girls and women in Africa 6 marks
b) Explain Francis Bacon's scientific method 9 marks