



# **NATIONAL OPEN UNIVERSITY OF NIGERIA**

91 Cadastral zone, NnamdiAzikiwe Expressway, Jabi, Abuja

**FACULTY OF EDUCATION**

**COURSE CODE: SED834**

**COURSE TITLE: SCIENCE, TECHNOLOGY AND SOCIETY**

**CREDIT UNIT: 2**

**TIME ALLOWED: 2HOURS**

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

**1a)**An analyst has advocated the need for a departure from the teaching of science from the viewpoint of the scientist alone. Support the statement by discussing the five (5) benefits of this assertion. **(5 Marks)**

**1b)** Study has shown how the context of human experience is attained. As a science educator, enumerate ten (10) ways by which students' experience can be attained. **(15 Marks)**

**1c)** Dr. Adeoluwa and Dr. Modupeare scientists based in Abuja, Nigeria. They were engaged by the University management to analyse water sample from the four boreholes on the campus. Discuss five (5) common traits that were possessed by the Doctors, before they were regarded as scientist. **(10 Marks)**

**(TOTAL = 30 MARKS)**

**2a)** Enumerate and explain four (4) relevant justifications for school science. **(8 Marks)**

**2b)** Basically, Science educators considered some factors for suggesting STS teaching methods. Highlight the six (6) unique factors. **(12 Marks)**

**(TOTAL = 20 MARKS)**

**3a.** Examine four (4) Biotechnological processes and how it could be used to tackle some societal basic problems or needs? **(8 Marks)**

**3b)** It seems an obvious fact that man is face with some steps that serve as an integral process of decision making as related to societal issues. Discuss three of those steps.**(12 Marks)**

**(TOTAL = 20 MARKS)**

4a)It is no doubt that Biotechnology have some career outlets, critically examine four of those career outlets and how they add value to Nigeria citizens.**(10 Marks)**

4b)What are the five (5) functions of the University in Biotechnology?**(10 Marks)**

**(TOTAL = 20 MARKS)**