



NATIONAL OPEN UNIVERSITY OF NIGERIA

91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja

FACULTY OF EDUCATION

FEBRUARY/MARCH EXAMINATION 2018

COURSE CODE: SED834

COURSE TITLE: SCIENCE, TECHNOLOGY AND SOCIETY

CREDIT UNIT: 3

TIME ALLOWED: 3 HOURS

INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER THREE

- 1(a) What is wasting cycle? Elaborate on any FOUR advantages of waste recycling. (10 marks)
- (b) Energy supply is always inadequate to carry out human activities. Mention and explain any FIVE alternative sources of energy in your environment (10 marks)
- (c) Describe with FIVE reasons why damming rivers create a lot of environmental problems. (5 marks)
- 2.(a) (i) Define project synthesis in relation with the integration of science technology and society in the precollege sciences (2 marks)
- (ii) Explain FOUR justifications put forth for school sciences (8 marks)
- (b) Describe any FIVE goals of Third National Development Plan (5 marks)
- 3.(a) Differentiate between directed activities related to text and industrial simulation teaching strategies of science technology and society (5 marks)
- 3.(b) Expatriates on FIVE general ecological impact of oil spillage (10 marks)
- 4(a) Identify FIVE stages into which genetic engineering could be broken (5 marks)
- (b) Using FIVE ethical and legal problems, justify the knowledge of bioethics in teaching science technology and society in senior secondary schools (10 marks)
- 5(a) List the five principal national objectives in Nigeria. (5 marks)
- (b) Discuss with the FIVE final stages, how HIV-AIDS is considered to be killer disease (10 marks)
- 6(a) Biotechnology is an avenue for job creation for school leavers in Nigeria. Enumerate and describe FOUR career-related outlets in biotechnology. (8 marks)
- (b) State SEVEN problems that militate against effective operation of internet in Nigeria. (7marks)