



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**  
**SCHOOL OF EDUCATION**  
**MAY/JUNE 2012 EXAMINATION**

SED 734 SCIENCE, TECHNOLOGY AND SOCIETY

INSTRUCTIONS: ANSWER ALL QUESTIONS

TIME ALLOWED: 3 HOURS

1.
  - (a) Briefly explain the basic concept of the course SED 734, Science, Technology and Society (STS).
  - (b) Identify and briefly explain seven (7) features of the STS programmes.
2.
  - (a) What would you consider the major goals of science education?
  - (b) Discuss five (5) major characteristics of a scientifically literate person.
3.
  - (a) What were the main national goals of the Nigerian Second Development Plan (1970 - 1974)?
  - (b) Were these national goals in line with the tenets of STS?
4.
  - (a) Explain the term biotechnology.
  - (b) Briefly discuss seven (7) different applications of biotechnology.
5.
  - (a) Discuss the socio-economic implications of a poor healthcare system in a society.
  - (b) Discuss the advantages of e-mail.
  - (c) Explain the two (2) main characteristics of desertification.

- (d) List the two main causes of desertification.
- (e) List four ways through which degradation of soil can take place.