



NATIONAL OPEN UNIVERSITY OF NIGERIA

2022_2 POP EXAMINATION

COURSE CODE: SED 834 (2 units)

COURSE TITLE: SCIENCE, TECHNOLOGY AND SOCIETY

CREDIT UNIT: 2

TIME: 2 HOURS

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

1a. The concept of DNA Cloning led to mass producing of organism with desired qualities. Discuss the concept and the major steps involved. **(18 marks)**

b. Communication satellites used in space by the military are known to performed some roles. Illuminate on four of the roles. **(12 marks)**

2. Discuss six problems of a developing nation, and the attributes which a developing society is seeking to achieve. **(20 marks)**

3a. Research evidence has shown that Biotechnology can proffer solutions to unemployment problem through its career outlets. Enumerate and explain four (4) career outlets in Biotechnology as explained by Kille. **12 marks**

b. Discuss FOUR advantages of waste recycling. **8 marks**

4a. Explain five ways to source for alternative energy in other to augment its supply. **16 marks**

b. Explain the concept of waste recycling? **4 marks**