



NATIONAL OPEN UNIVERSITY OF NIGERIA
91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF EDUCATION
2024 1 EXAMINATION

COURSE CODE : SED 321

COURSE TITLE: Biology For Integrated Science III

CREDIT UNIT: 2

TIME ALLOWED : 2HOURS

INSTRUCTION : Attempt question 1 and any other 2 questions

Question 1 is compulsory and carries 30marks while the other 2 questions carry 20 marks each

1(a) Explain what you understand by "Cell".

(b) With a well labelled diagram of a plant cell explain the functions of 5 different organelles of the cell.

2(a) How did Gregor Mendel get his first filial generation plants in his experiment?

(b) Represent the experiment explained in 2(a) above diagrammatically.

3(a) Discuss five ways by which human population is controlled in Nigeria.

(b)i. What are the advantages of human population control?

ii. Explain the problems facing human population control in Nigeria.

4(a) Explain what you understand by Environmental Resistant factors in population ecology.

(b)i. Discuss the two major types of Environmental Resistant Factors

ii. How does each of the factors act as a limiting factor?