



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
DEPARTMENT OF SCIENCE EDUCATION
2023_1 POP EXAMINATION.

COURSE CODE: SED321
COURSE TITLE: BIOLOGY FOR INTEGRATED SCIENCE 111
CREDIT UNIT: 2
TIME ALLOWED: 2 HOURS
INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER TWO

QUESTIONS

1. With the aid of annotated diagram **ONLY** describe the stages of meiosis **30MARKS**

- 2a. Make a clear drawing and explain the structure of Interphase of meiosis **10MARKS**
b. What are the Five main significances of mitosis. **10MARKS**

- 3a. With the aid of a Annotated diagram, describe the blood grouping system in human being. **15MARKS**
b. Highlight the diseases caused by the disadvantages of mutation **5MARKS**

4. Identify the eight recognized types of range lands in the world and discuss any four **20MARKS**