NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja.
FACULTY OF EDUCATION
2023_1 POP EXAMINATION.

COURSE CODE: EDU 740
COURSE TITLE: MATHEMATICS METHODS
CREDIT UNIT: 2
TIME ALLOWED: 2HOURS
INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER 2

(1a) With reference to five important historical points, write briefly on any three of the following Greek Mathematicians in relation to their development to mathematics (Five valid historical points will be considered in each case)   **Total = 15 marks**

(1b). So much has been documented on the evolution of mathematics curriculum. Give a brief account of not less than seven and eight distinct relevant historical facts on the "pre-independence" and "during oil-boom" mathematics curriculum respectively   **Total = 15 marks**

(2a) Briefly expatiate on the two important factors that a mathematics teacher must put into consideration towards preparing a very good lesson note.   **(12 marks)**

(2b) Outline four reasons why writing a good lesson note in mathematics is a must for all prospective and practicing mathematics teachers.   (8 marks)

                                      Total = 20 marks

(3) Given the topic: Subtraction of a smaller fraction from a bigger fraction with different denominators. State the specific behavioural objective, 4 points Entry behaviour, 2 teaching aids and four essential learning activities/step towards teaching the topics.

                                      Total = 20 marks

(4) In a special capacity building workshop for Mathematics teachers in your Local Education District, put up a comprehensive presentation on the need for Guided Discovery Method of teaching mathematics. In your presentation, highlight at least, three points each on (a) its meaning (b) justifications (c) the steps and approaches involved (d) merits and demerits

                                      Total = 20 marks