



NATIONAL OPEN UNIVERSITY OF NIGERIA

91, Cadastral Zone, University Village. Nnamdi Azikwe Express way, Jabi Abuja

DEPARTMENT OF SCIENCE EDUCATION

2021_2 EXAMINATION

COURSE CODE: EDU740
COURSE TITLE: MATHEMATICS METHODS
UNITS: 2
TIME ALLOWED: 2 HOURS
INSTRUCTION: ATTEMPT QUESTION ONE AND ANY OTHER TWO

1. The heterogeneous learning behaviours of students in the classroom give more concern for Mathematics teachers. a) identify three (3) categories of area of differences among students. **(10marks)**
b) In what way can you as a Mathematics teacher take charge of this environment in order to make successful instructional delivery? **(20marks)** **TOTAL= (30marks)**

2a. Explain the term *improvisation* **(4marks)**

2b. Due to dearth of instructional materials, you are to lead your students to improvise by constructing from local materials. In your own judgment, what eight (8) features of these instructional aids will make you to be sure that you have produced good instructional materials. **(16mks)**

- 3) What can you say have specifically made each of these men relevant in the study of Mathematics today?
i) Blaise Pascal **(9marks)**
ii) Pythagoras **(11marks)**

- 4) a. How has Gagne contributed to the efforts on Mathematics instruction? **(8marks)**
b) What implications does his contribution have on teaching and learning of Mathematics? **(12marks)**