



NATIONAL OPEN UNIVERSITY OF NIGERIA

91, Cadastral Zone, University Village NnamdiAzikwe Express way, Abuja

Faculty of Education, Department of Science Education

April/May Examination 2019_1

COURSE CODE: EDU740

COURSE TITLE: MATHEMATICS METHODS

TIME ALLOWED: 2 HOURS

CREDIT UNITS: 2 C

INSTRUCTION: ATTEMPT QUESTION ONE AND ANY OTHER TWO

1. Discuss a brief background of the following mathematician and their contributions to mathematics knowledge.

- a) Pythagoras (12marks)
- b) Thales of Miletus (9marks)
- c) Archimedes (9marks)

2. Teacher's knowledge of child's psychological makeup would help him in proper teaching of mathematics to the child. In what ways does Piaget's theory of intellectual development assist the teacher in teaching mathematics successfully? (20marks)

3. a) Outline the benefits of discovery method of teaching mathematics? (8marks)
- b) What do you understand by Mathematics laboratory? What are the procedures you will put in place in preparation to use laboratory method to teach mathematics? (12marks)

4.What is the basis of classification for educational objectives? Discuss fully each of these classifications. **(20marks).**