



NATIONAL OPEN UNIVERSITY OF NIGERIA

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

Faculty of Education, Department of Science Education

April/May Examination 2019_1

COURSE CODE: EDU808
COURSE TITLE: MATHEMATICS CURRICULUM & INSTRUCTION IN SECONDARY SCHOOLS
CREDIT UNITS: 2 C
TIME ALLOWED: 2 HOURS
INSTRUCTION: ATTEMPT QUESTION ONE AND ANY OTHER TWO

1. What are the contributions of the following people to the development of Mathematics?
 - i) Euclid (10marks)
 - ii) Thales of Miletus (10marks)
 - iii) Blaise Pascal (10marks)
2. Explain why the following are considered to be determinants of Mathematics curriculum
 - a) Nature of the content of subject-matter (5marks)
 - b) Society and culture (5marks)
 - c) Psychology of learners ((5marks)
 - d) Learning theories (5marks)
3. a) Identify different types of numbers and mention the importance of each. (8marks)
b) Discuss the criteria for selecting mathematics curriculum content. (12marks)
4. a) What do you understand by Curriculum Development in Mathematics.
b) Discuss the processes involved in curriculum development. (20marks)