



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION

SCHOOL OF EDUCATION

COURSE CODE: EDU 740

COURSE TITLE: MATHEMATICS METHODS

TIME ALLOWED: 2 HOURS

INSTRUCTION: ATTEMPT QUESTION 1 AND ANY OTHER TWO

1. Consider teaching a mathematics lesson to a class of junior secondary school students for 40 minutes. Prepare an appropriate and detailed lesson plan to achieve this purpose. **(30marks)**

2a. Students in mathematics classroom have individual differences. Discuss some areas of these differences. **(15marks)**

b. In what ways can a mathematics teacher take care of slow learner in his mathematics class? **(5marks)**

3. Discuss the Piaget's theory of child intellectual development. What relevance has this theory to the teaching and learning of mathematics? **(20marks)**

4. Mathematics knowledge is fundamental and important to the study of other school subjects. Show how some mathematics concepts/topics are applied to some concepts/topics in the following school subjects:

- a. Geography **(5marks)**
- b. Economics **(5marks)**
- c. Chemistry **(5marks)**
- d. Fine/Applied art **(5marks)**