



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF EDUCATION
MAY/JUNE 2012 EXAMINATION

EDU 640/626 Mathematics Methods
Time Allowed: 2 Hours

Instructions: Answer questions number one (1) and any other two (2) questions.
Use the answer booklet provided

- 1a(i). Differentiate between goals and objectives.
(ii). State the six goals or general aims of teaching Mathematics in the Primary and Secondary School levels according to the 1977 National Policy on Education.
b. Identify and discuss with at least one example the five parts of any well stated specific behavioural objectives.

(30 marks)

- 2a. Briefly describe the 'Scheme of Work'.
b. Identify at least four purposes that a Scheme of work can serve you as a prospective
c. State four reasons why it is necessary for you as a teacher to write lesson notes.
teacher.

(20 marks)

- 3a. Identify with appropriate ages the four levels of Intellectual development of a Child according to J. Piaget.
b. State and explain the three basic issues a teacher should note and always use as guide in order to write a good lesson plan.

(20 marks)

4a. Identify the three (3) stages or processes by which learning occurs in a child according to Jerome Brunner.

b(i).What do you understand by the concept 'Teaching or learning aids'?

(ii).Enumerate five (5) criteria for selecting learning aids and briefly explain any one (1) of them.