



**NATIONAL OPEN UNIVERSITY OF NIGERIA Plot 91, Cadastral Zone,
Nnamdi Azikiwe Express Way, Jabi, Abuja Faculty of Education**

PROGRAMME: M.ED

COURSE CODE: EDA 844

COURSE TITLE: EDUCATIONAL STATISTICS FOR EDUCATIONAL MANAGERS.

INSTRUCTION: Answer Question 1 and any other 2

Time: 2 hours

Question 1

- a. Explain Progression
- b. Progression Ratio between Grades was computed and given below.

Year	From Grade 1 to Grade 2	From Grade 2 to Grade 3	From Grade 3 to Grade 4	From Grade 4 to Grade 5	From Grade 5 to Grade 6
2010 – 2011	96.3	98.9	99.7	98.6	88.2
2011 – 2012	96.5	98.9	98.7	88.9	88.1
2012 – 2013	96.7	98.8	98.6	89.7	88.1
2013 – 2014	97.5	99.1	99.0	90.0	88.5
2014 – 2015	97.5	99.2	98.9	81.4	88.7
2015 – 2016	97.2	98.9	98.6	80.7	98.1
Average	96.95	98.96	98.91	88.21	89.95

- i. Calculate the standard progression ratio.
- ii. Obtain the Actual inputs.

Question 2

- (a) List four (4) sources of demographic data.
- (b) Discuss (3) statistical procedures necessary to educational planners.
- (c) Determine the National Growth Rate if population is given as 2,000,000 in year t and Birth is 60,000 and death is 20,000 in year t.

Question 3

Explain the following:

- (i) Teacher-Pupil ratio
- (ii) Literacy rate
- (iii) Sex ratio

- (iv) Non-Schooling gap
- (b) Highlight (4) general roles of statistics to planning.

Question 4

- (a) List the major factors that determine the cost of education.
- (b) Explain the (5) types of costs in Education