



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF EDUCATION

SEPTEMBER/OCTOBER 2015 EXAMINATION

COURSE CODE: EDA 844

COURSE TITLE: STATISTICS FOR EDUCATIONAL MANAGERS

TIME ALLOWED: 2HRS 30MINUTES

INSTRUCTION: ANSWER QUESTION ONE AND TWO OTHERS

Question 1

a. Estimate the population for a country X at the end of 2014, if:

Census population at the end of 2013 $= P_1 =$

1,050,000

Live births in 2014 $= B =$

50,000

Deaths in 2014 $= D =$

12,000

Immigrants in 2014 $= I =$

23,000

Emigrants in 2014 $= E =$

25,000

10 marks

b. It is assumed that the students of National Open University of Nigeria has the following population in the stipulated age groups:

Age Group	Population
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15 - 19	185,000
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20 - 24	200,000
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25 - 30	385,000
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31 - 34	233,000
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35 - 39	188,000
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40 - 44	160,000
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You are to smooth out the age group 25 - 30

15 marks

c. State the importance of age smoothing in educational planning

5 marks

Question 2

Catchment area and primary school planning cannot be separated. Discuss.

Question 3

a. What is non-schooling gap? (5 marks)

b. A primary school has a total enrolment of 530 pupils with an average class size of 35. The pupils sit two to a table with separate chairs. In the process of restructuring;

- How many chairs and tables would you plan for?
- How many classroom would be needed

(15 marks)

Question 4

a. In year 2013, the total number of teachers in St. Paul Secondary School, Ijele is 150 with average salary per teacher at N120,000.00. The total cost of furniture in the year was N22,000.00. N10,000.00 was expended as maintenance cost in the year. Calculate the unit cost per student if student enrolment is 300 in that year.

10 marks

- b. A school proprietress is overwhelmed with the volume of money required to run the school and therefore seek ways to reduce the cost of running the school. As an expert in educational administration and planning suggest five ways she could use to reduce cost.

10 marks