NATIONAL OPEN UNIVERSITY OF NIGERIA
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Faculty of Education₅₆₇₈
Department of Educational Foundations
Programme: M.Ed. Educational Administration and Planning
2021_2

Course Code: EDA844
Course Title: Educational Statistics for Educational Managers
Credit Unit: 2
Time: 2 hrs 15 mins

Instruction: Answer Question **one (1)** and **two (2)** others.

1a.   It is assumed that Lagos State has 1,515.200 pupils in Primary 1 in the state public schools in 2015. Of these 122,567 are known to be repeating the class. The number of children that are legally entitled to gain admission to Primary 1(age 6) is 884,316; calculate the gross in-take rate for the state. State the formula before calculation.   (8 marks)

1b.   Explain the implications of gross rate to educational planners and administrators.   (6 marks)

1c.   With the result obtained in 1a, analyse the admission made into Primary 1 in the state.   (8 marks)

1d.   Hypothetically, Lagos State has 456,300 six-year-olds and 687,134 seven-year-olds in Primary 1 in the public primary schools. Of these 18% six-year-olds and 14% seven-year-olds are known to be repeating the class. If the total number of six-year and seven-year-old children in the population is 885,323 and 788,400, respectively. State the formula and calculate the respective age-specific in-take rates for six-year-old and seven-year-old children.
        (8 marks)

2.   Table 1:   Evolution of Secondary Enrolment in Agogo State (2006 - 2016)

Year	No of Teachers	Change	Growth Rate
2006	1,009		
2007	1,020		
2008	1,004		
2009	1030		
2010	1039		

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2011	1040		
2012	1045		
2013	1100		
2014	1107		
2015	1120		
2016	1160		

To complete Table 1, calculate the change and the growth rate.

20 marks

3. As an expert in educational administration and planning, you were invited by a state governor to advise on the number of teachers that should be employed in the state public secondary schools. The purpose is to provide quality education.

    a. State the data you would require   3 marks
    b. Explain how the use of student-teacher ratio and full-time equivalent required would guide your decision.   10 marks
    c. Explain the quality implications of each method.   7 marks

4. A certain state university receives high number of applications each year. In year 2019, the state university received a total application of 100,000 to 100 level. Out of the 100,000 applications, 65,000 were qualified but considering the available resources and facilities for teaching and learning the university management took decision to only admit 10,000 students. Use this to answer question in a to c below:

    a. Calculate the reception rate?   8 marks
    b. What is the implication of the rate to the state? 5 marks
    c. What is the other word for reception rate?   2 marks
    d. Differentiate between entry rate/admission rate and reception rate. 5 marks