



NATIONAL OPEN UNIVERSITY OF NIGERIA
91 cadastral Zone, Nnamdi Azikiwe Expressway Jabi, Abuja
 Faculty of Education
 Department of Educational Foundations
2023_1 POP EXAMINATION

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

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

- 1a. State the three types of cohort analysis and explain their uses. (6 marks)
- 1b. From the table below calculate the flow rates to be used for reconstructed cohort analysis. Show all workings.

	Grades/Classes						Graduates
	1	2	3	4	5	6	
2015/2016 Enrolment	140204	119202	100008	97400	86300	78900	44860
2016/2017 Enrolment	145500	120500	100202	98560	88550	72000	
Repeaters	15000	5000	2000	700	10000	1200	

Note: Student can only repeat twice

(24 marks)

- 2a. In educational planning, data is often classified into quantitative and qualitative data. What is the difference between this data types? (2 marks)
- 2b. Mention 9 types of data you will need to plan education. Classify the data under quantitative and qualitative data and explain their usefulness in educational planning. Use this table: (18 marks)

Major types of Data	Types of Data	Their usefulness in educational planning
Quantitative	1. 2. etc	

Qualitative	1.	
	2.	
	etc	

3. In year 2019, a particular state has 800 public secondary schools with 5,000 teachers and with graduating students at 300. The state spent N10,000,000.00 on each school; N1,000,000,000.00 to pay teachers' salaries and allowances; and a total monetary cost from initial grade to final grade of students at N25,000,000.00. The total student years was 250,000 with a total expenditure of N100,000,000,000.
 - a. Calculate the unit cost per teacher
 - b. Calculate the cost per school
 - c. Calculate the cost per graduate
 - d. Calculate the cost per Student-Year 20 marks

4. As an educational planner, give four reasons why unit cost is considered important in educational planning. 20 marks