NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikwe Express Way, Jabi, Abuja
Faculty of Education
2020_1 Semester

COURSE TITLE: EDUCATIONAL STATISTICS FOR EDUCATIONAL MANAGERS.
COURSE CODE: EDA844
CREDIT UNIT: 2
TIME: 2 HOURS
INSTRUCTION: Answer question one (1) and any other two (2) questions

Question 1

 a. What are the factors of attrition to the teachers stock in the educational system?
(5 marks)
 b. If there were 100,000 teachers in the teachers stock of a state in 2017 (year t), there were 103,000 teachers in 2018 (year t+1) and 8,000 new teachers employed in 2018 (year t+1). Calculate:
   a. The teachers' retention in 2017
   b. The teachers' wastage rate in year t
   c. Discuss your results.   (25 marks)

Question 2

 a. Draw model showing a centrally located school in dispersed settlements community.
(5 marks)
 b. A state projected enrolment is 450,000 students, teacher's ratio is 75:1. Calculate the retained teachers in the state's schools.   (15 marks)

Question 3.

Years of Birth of Male Cohorts.	Population as at 4/6/2003	Population as at 4/6/2007	Projected Fertility Rate (%)
1960 – 1964	700,000	680,000	500
1965 – 1969	800,000	720,000	750
1970 – 1974	890,000	870,000	900
1975 – 1979	880,000	800,000	980
1980 – 1984	950,000	900,000	900
1985 – 1990	900,000	870,000	980

a. Calculate the actual figure that will be useful to the educational planner for school enrolment forecast. (10 marks)
b. Explain the population structure of a country. (10 marks)

Question 4.

a. How can demographic data and information be obtained for planning purposes in education? (5 marks)
b. If the 1953 population was 30,402 and 1963 was 55,670. Calculate the projected population for 1973. (15 marks)