



KENYATTA UNIVERSITY

EXAMINATION FOR THE DEGREE OF MASTER OF EDUCATION

**EMP 814: DATA COLLECTION ANALYSIS & APPRAISAL IN EDUCATIONAL
PLANNING**

2ND SEMESTER 2021/2022

TIME: 3Hours

INSTRUCTIONS: Answer question ONE and any other TWO questions

Question One

(a) Give an example of an indicator for each of the following educational planning concepts:
(4 marks)

- (i) Internal efficiency
- (ii) External efficiency
- (iii) Equity
- (iv) Access

(b) State two rationales for Education Sector Diagnosis (2 marks)

(c) Differentiate between quantitative and qualitative data as used in educational planning.
(2 marks)

(d) Use the information given in the following table to answer the questions that follow.

Table 1: Enrolment and Repeaters in level 1 to 4 of Secondary education in Wazalendo Republic, 2019 and 2020

Year	Level 1	Level 2	Level 3	Level 4
2019 Enrolment	1, 235, 587	1, 189, 154	1, 135, 785	1, 165, 854
2020 Enrolment	1, 301, 562	1, 215, 785	1, 180, 658	1, 129, 965
Repeaters 2019	108, 270	112, 969	90,009	40, 512

NB: at the end of 2019, a total of 1, 100, 522 students graduate from Level 4

(i) Calculate the promotion, repetition and drop-out rates for each level (6 marks)-

- (ii) Using the promotion, repetition and drop-out rates calculated in question 1b(i) above, construct a cohort flow diagram for 1000 students who entered secondary school in 2019 assuming that only two repetitions are allowed. (6 marks)
- (iii) From the cohort diagram calculate:
 - (a) The resulting wastage ration and efficiency co-efficient (2 marks)
 - (b) The survival rates for Levels 2, 3 and 4 (3 marks)
 - (c) The average duration of study per graduate (1 mark)
 - (d) The proportion of total wastage accounted for by:
 - (i) Repetitions (1.5 Marks)
 - (ii) Drop-outs (1.5 marks)
 - (iii) Give an interpretation of the indicator (1 mark)

Question Two

- (a) In a given country, there were 1, 532, 781 pupils in Grade 1 of primary in 2021. Of these 153, 340 are known to be repeating the grade. The number of children legally entitled to gain admission to grade 1 (6 years) is 1, 352,355. Calculate the Gross Intake Rate for the County. (2 marks)
- (b) As a newly elected county governor, you are confronted with the challenge of high drop out of teenage girls from school and your government is obliged to develop a policy to address this problem. Discuss the policy making processes that your team would follow outlining the actions that would be executed at each level.(18 marks)

Question Three

- (a) In a given County, the primary education Gross Enrolment Rate for boys and girls was 93.9% and 97.5% respectively.
 - (i) Calculate the Gender Parity Index (1 mark)
 - (ii) Interpret the Gender Parity Index (1 mark)
- (b) You have been appointed to head the School Feeding and Health Programme in your country. Describe the key steps that you would follow in setting up a Results Based Monitoring and Evaluation system. (18 marks)

Question 4

- (a) In a given Country, there were 4, 137, 883 students in form 1-4 of secondary education in 2021. Of these 3, 205, 530 were in the 14-17 age group. This can be compared with 3, 851, 213 children in the 14-17 age group in the population. Assuming that the legal age of admission to the 2nd level of education was 14, calculate the Gross Enrolment Rate and the Net Enrolment Rate. (4 marks)
- (b) As the chairman of a taskforce charged with steering the development of the country's Education Sector Plan, discuss in detail the FOUR major steps you would follow in undertaking an Education Sector Diagnosis. (16 marks)

Question Five

Discuss any FIVE viable options that Kenyan universities could use to diversify their financing in order to meet equity and quality goals (20 marks)