



MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES

DEPARTMENT OF HEALTH SCIENCES

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (PUBLIC HEALTH)

HPH 408: MONITORING AND EVALUATION FOR PUBLIC HEALTH PROGRAMS

DATE:

TIME:

INSTRUCTIONS:

This paper consists of two sections A and B

SECTION A

Specific Instructions

- **This section has one question**
- **The question is compulsory**
- **The question is 30 marks**

QUESTION ONE (30 MARKS)

- a) Differentiate between monitoring and evaluation (M & E) (3 marks)
- b) Name four (4) sources of routine data. (2 marks)
- c) Using relevant examples, differentiate between process indicators and outcome indicators (4 marks)

- d) A dissemination plan is important when conducting program evaluation. Outline the aspects to include in a dissemination plan (3 marks)
- e) Explain the different types of evaluations that M& E programs can be subjected to. (3 marks)
- f) Explain the four (4) main characteristics of high quality data (4 marks)
- g) Explain the importance of monitoring and evaluation plans (3 marks)
- h) Identify four (4) quantitative evaluation designs (2 marks)
- i) Explain the purpose of monitoring and evaluation (3 marks)
- j) Identify ways through which M&E findings can be effectively disseminated (3 marks)

SECTION B:

Specific Instructions

- **This Sections has four (4) questions**
- **Answer any two (2) questions**
- **Each question is 20 marks**

QUESTION TWO (20 MARKS)

- a) Development of a logic model involves a number of steps. Using a problem of your choice;
- i. Develop a problem statement (4 marks)
 - ii. Draft the elements of a logic model (6 marks)
- b) Discuss the monitoring and evaluation program implementation cycle (10 marks)

QUESTION THREE (20 MARKS)

- a) The Safe Motherhood Initiative adopted several strategies aimed at reducing maternal mortality rate by 50% in the year 2000. However, most of these strategies failed to achieve the intended goal. Discuss (10 marks)
- b) Discuss the importance of conceptual frameworks in monitoring and evaluation (10 marks)

QUESTION FOUR (20 MARKS)

- a) Data utilization is critical for decision making in monitoring and evaluation. However, M&E data is often underutilized. Discuss (10 marks)
- b) The Ministry of Health. Wants to test whether quality of care for common childhood illnesses can be improved with provider training and use of World Health Organization recommended guidelines for integrated management of childhood illnesses. Two sub-counties and two healthcare facilities (one in each sub-county) are available for inclusion in the study. (10 marks)
- i) What is the evaluation design that you would use?
 - ii) Why would you use the above named evaluation design?
 - iii) What are the threats to validity associated with your design?

QUESTION FIVE (20 MARKS)

- a) Program X has a goal of decreasing healthcare associated infections. One of the objectives is “to increase the percentage of healthcare workers in target facilities who comply with hand hygiene guidelines from 10% to 75% by the end of year three”. Analyze whether this objective is SMART. (10 marks)
- b) Discuss the resources necessary for the development and implantation of a monitoring and evaluation plan (10 marks)