

SPECIFY TYPE OF EXAMINATION

FIRST ATTEMPT

FIRST RESIT

SECOND RESIT

RE-TAKE



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF PUBLIC HEALTH AND
COMMUNITY DEVELOPMENT
1st YEAR 2nd SEMESTER 2024/2025 ACADEMIC YEAR
TOWN CAMPUS

COURSE CODE: HMB 5115

COURSE TITLE: LABORATORY & HEALTHCARE SYSTEM MANAGEMENT

DATE:

TIME: 9.00-12.00 NOON

TIME: 3 HOURS

Instructions:

1. Answer question 1 (compulsory) and any other three (3).
2. Each question carries 15 marks



Registration No.....

Question 1 is compulsory and any other 3 questions. Each question carries 15 marks.

Question 2: Discuss the role of each of the management functions in clinical Laboratory management and performance.

- a. Strategic planning. 5 marks
- b. Staffing and scheduling 5 marks
- c. Team management 5 marks

Question 2: Quality management is a crucial component of ensuring standards are observed in laboratories.

- a. Discuss ways in which triaging and management of patient throughput impacts on quality of care at the health facility. (9 marks)
- b. Describe the “total testing process” concept and the relevant indicators for assessing performance. (6marks)

Question 3: Strategic planning is an essential aspect for achieving an organized emergency preparedness and management program to forestall service disruption.

- a. Identify the key elements of emergency planning; (5marks)
- b. Discuss how the elements of emergency planning might be implemented to ensure safety, efficiency and effectiveness. (10 marks)

Question 4: Discuss **five** factors that you would consider prior to the acquisition of new laboratory equipment or implementation of new procedures, based on the following subtitles.

- a. Risk and safety management plan;
- b. Physical structure and layout of site;
- c. Government policies and guidelines
- d. Access and use

Question 5: Write short notes on the following concepts with regard to laboratory practice *[provide definition and their importance in each case]*.

- a. Laboratory system financing [3marks]
- b. Maximum Allowable Error. [3marks]
- c. Turn-around time. [3marks]
- d. Health systems management [3marks]
- e. ‘DECIDE’ decision-making model . [3marks]