



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH OF SCIENCES

UNIVERSITY EXAMINATION FOR HEALTH RECORD DATA BASE II

YEAR 2 SEMESTER I ACADEMIC YEAR 2024/2025 MAIN CAMPUS

COURSE CODE: HDR 2211

DATE:

**COURSE TITLE: HEALTH RECORD
DATA BASE II**

TIME: 3 HOURS

EXAM VENUE:

**STREAM: DIP. HEALTH RECORDS &
IT**

EXAM SESSION: SEP-DEC 2024

Instructions

- i. Answer **ALL** questions Section A and any other three questions in Section B.
- ii. Candidates are advised not to write on the question paper.
- iii. Candidates must hand in their answer booklets to the investigator while in the examination room

SECTION A: (40 MARKS)

Answer ALL questions in this section

1. Define the following terms as used in database management systems;
 - a) Database. (2 Marks)
 - b) Record (2 Marks)
2. Data processing ranges from simple manual compilation to sophisticated computerized processing. Outline **FIVE** disadvantages of computerized data processing (5 Marks)
3. As a database expert, recall any **FIVE** advantages of a database management system (DBMS). (5 Marks)
4. List **FOUR** examples of information captured in a typical health records database. (4 Marks)
5. Health information system depends on many factors. State **FOUR** components of the HIS. (4 Marks)
6. It's important for health records and information technicians to know abbreviations used in HIS, write the following abbreviations in full. (5 Marks)
 - a) CBHIS
 - b) DBMS
 - c) GIS
 - d) KEPH
 - e) KDHS
7. Distinguish between Primary key and foreign key. (4 Marks)
8. List **FIVE** advantages of a functioning health information system. (5 Marks)
9. Enumerate the **FOUR** Tiers of health care in Kenya (4 Marks)

SECTION B: (60 MARKS)

Answer THREE questions in this section.

10. Having quality data is a good trajectory toward the realization of better health care but most of the health care system hasn't met this perspective. As the head of the Bondo sub-county health data management team.
 - a) Discuss **FIVE** challenges facing health system in Kenya (10 Marks)
 - b) Explain **FIVE** key sources of health information (10 Marks)
11. The overall thrust of the policy is to limit the amount of information collected and reported so as not to place an unmanageable burden on the personnel required to collect it. Explain criteria to be applied in determining whether to include items of information in the health information system. (20 Marks)
12. As a health records and information officer in-charge of Bar Korwa health center, discuss to the students on attachment;

- a) Discuss **FIVE** advantages of using computers in health care (10 Marks)
- b) Explain **FIVE** types of indicators (10 Marks)
- 13. As a database expert, discuss **FIVE** database security threats (20 Marks)
- 14. Explain **TEN** possible reasons why most hospitals have not adopted effective health records database management. (20 Marks)