

F 8571



00008571



Reg. No.....

Name.....

**M.Sc. (MEDICAL DOCUMENTATION) DEGREE EXAMINATION
SEPTEMBER 2026**

Fourth Semester

AUTOMATED HEALTH INFORMATION SYSTEM

(2024 Admissions—Regular/2022—2023 Admissions—Supplementary/2021 Admissions—First
Mercy Chance/2020 Admissions—Second Mercy Chance/2019 Admissions—Final
Mercy Chance)

Time : Three Hours

Maximum Marks : 75

I. Answer the following in brief :

- 1 Mention two advantages of using electronic forms over paper forms in health information systems.
- 2 What is the purpose of form design in Computer based patient records systems ?
- 3 List two examples of control types used in electronic forms.
- 4 What is the primary goal of an Electronic Medical Record (EMR) ?
- 5 How does EMR contribute to public health monitoring ?
- 6 What is the role of IT in telemedicine ?
- 7 Mention two applications of Health Information System in hospitals.
- 8 What is the importance of system life cycle in healthcare IT ?
- 9 Mention one responsibility of HIM professionals in system analysis.
- 10 Define information system life cycle of an organization.

(10 × 2 = 20)

II. Answer the following :

1. Differentiate between the general system life cycle and the information system life cycle.
2. List and briefly describe two tools used in system analysis.
3. Define prototyping in system development. List advantages and disadvantages of prototyping.

Turn over





F 8571

4. Discuss the objectives and uses of automated cancer registries in public health.
5. Explain how an automated DM registry supports chronic disease management and patient care.

(5 × 5= 25)

III. Answer any three of the following :

1. Explain the principles of system design. How do these principles ensure efficiency and reliability ?
2. Explain the Information System Development Life Cycle (ISDLC) and its importance in healthcare projects.
3. Explain how automated AIDS registries help in case reporting, patient follow-up, and epidemiological studies.
4. Explain in detail, the application of computers in past and present health care system.
5. What are the major investigative strategies in analyzing requirements? Explain with healthcare-related examples.

(3 × 10= 30)

