

F 8302



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Reg. No......

Name.....

**M.Sc. (MEDICAL DOCUMENTATION) DEGREE EXAMINATION
SEPTEMBER 2025**

Fourth Semester

AUTOMATED HEALTH INFORMATION SYSTEM

(2023 Admissions—Regular/2021–22 Admissions—Supplementary/2020 Admissions—First
Mercy Chance/2019 Admissions—Second Mercy Chance/2018 Admissions—Final Mercy
Chance)

Time : Three Hours

Maximum Marks : 75

I. Answer the following in brief :

- 1 Define input validation in the context of patient records.
- 2 Differentiate between mandatory fields and optional fields in data entry forms.
- 3 Name any *two* devices commonly used for direct patient data entry at hospitals.
- 4 Define EMR in the context of health information systems.
- 5 How does EMR facilitate better communication among healthcare providers ?
- 6 How does IT help in reducing medical errors ?
- 7 What is the role of Health Information System in billing and financial management ?
- 8 State one contribution of HIM professionals during system implementation.
- 9 Define Information System Development Life Cycle.
- 10 What is meant by feasibility study in system analysis ?

(10 × 2 = 20)

II. Answer the following :

- 1 Write a short note on data validation techniques.
- 2 Write a short note on the purpose and steps of system analysis.
- 3 Write a short note on the role of prototyping in system development.

Turn over





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- 4 What is an AIDS registry ? Discuss its importance in monitoring and controlling the spread of HIV/AIDS.
- 5 Discuss the role of DM registries in tracking complications, treatment adherence, and long-term outcomes.

(5 × 5 = 25)

III. Answer any *three* of the following :

- 1 Explain about database management and quality control.
- 2 What are the major investigative strategies in analyzing requirements ? Explain with healthcare-related examples.
- 3 Discuss in detail the phases of the General System Life Cycle with examples from healthcare.
- 4 Discuss various tools and aids used in the system development life cycle for analysis and design.
- 5 Discuss the methods of data collection, storage, and reporting in an automated cancer registry.

(3 × 10 = 30)

