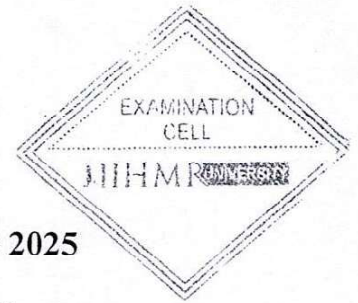


Institute of Health Management Research**MBA Hospital and Health Management****Batch-28th (2023-2025) Hospital Management****Second Year, Term 5 End Term Examination, February 2025****HOM-709 Hospital Management Information System****Time - 3 Hours****Maximum Marks: 50 (Minimum Marks : 20)****Instructions to students:**

- This question paper contains 2 printed pages.
- Don't write anything on the Question Paper except your Enrolment No.

Part A**(Maximum Marks: 5)****Q 1. Choose the correct option for the following (1 mark each)**

- a) What is the main focus of the Outcomes-to-Inputs approach in MIS development?
- A) Identifying and processing available data
 - B) Achieving specific organizational goals by working backward from outcomes
 - C) Cataloging existing resources
 - D) Creating exploratory insights from data
- b) Which of the following represents Information in a hospital setting?
- a) The number of new patients admitted to the hospital in the past month.
 - b) "John Doe, a 45-year-old male, was admitted with a heart attack. His current blood pressure is 150/95 mmHg, and he requires immediate treatment."
 - c) "Hospitals should consider adopting AI-based tools to predict patient outcomes for better decision-making."
- c) Which of the following is an example of using Data to create Information?
- a) Recording a patient's weight and height.
 - b) Compiling and analyzing patient height and weight data to determine the average body mass index (BMI) for the hospital.
 - c) Storing a patient's contact information in an electronic database.
- d) Which approach is best suited for organizations with well-defined strategic goals and objectives?
- A) Inputs-to-Outcomes Approach
 - B) Outcomes-to-Inputs Approach
 - C) Hybrid Approach
 - D) Data-driven Approach
- e) Which of the following is an example of Knowledge being applied in a hospital?
- a) A hospital receives 100 new patient admissions in one week.
 - b) A team of doctors analyzes patient data and develops a treatment protocol that improves recovery rates for cardiac patients.
 - c) A nurse records a patient's temperature every 2 hours.

Part B

(Maximum Marks: 15)

Answer any three of the following questions (5 marks each)

- Q 2.** What are the primary objectives of HMIS in hospital settings?
- Q 3.** What do you understand by Data, Information, and Knowledge?
- Q 4.** Describe the term "Interoperability" in the context of Hospital Management Information Systems (HMIS).
- Q 5.** Discuss the uses of ERP in hospital administration.
- Q 6.** Explain the types of Health Data Analytics and their importance in healthcare.

Part C

(Maximum Marks: 30)

Answer the following questions in detail (10 marks each)

- Q 7.** What are some challenges associated with the implementation of HMIS?
- Q 8.** How did the introduction of Electronic Health Records (EHRs) change the functionality of HMIS in the 1990s?
- Q 9.** What role does technology play in streamlining hospital workflows? Provide examples of specific tools or systems that help with this process.

