



International Institute of Health Management Research (IIHMR), New Delhi

PGDM (HOSPITAL AND HEALTH MANAGEMENT)

(2023-2025 & 2024-2026 PGDM Batch)

MERCY ATTEMPT/SUPPLEMENTARY EXAM (4th Semester)

HEM 709-Health Management Information System (HMIS)

Date: 22-06-2026 Timing & Duration: 10:30 A.M. – 01:30 P.M. (3 Hrs.) Max. Marks: 100

Instructions:

- Budget your time as per the marks given for each question and write your answer accordingly.
- Don't write anything on the Question Paper except writing your Registration No.
- Mobile Phones are not allowed even for computations.

Part-A: Q.1 to Q.10 (10 questions x 2 Marks = 20 Marks) – One liner, MCQs, True/False

Q1. Mention the numerator and denominator of the indicator to measure the following.

- Impact indicator for evaluating child health services
- Input indicator for evaluating tuberculosis control program
- Process indicator for evaluating immunization program
- Output indicator for monitoring digital health program
- Process indicator for evaluating anemia control program

Q2. Review the data below and highlight 5 data quality issues.

Data elements	Block A	Block B	Block C
Total ANC registrations	306	185	323
Early registration during pregnancy	72	58	76
ANC women received 100 IFA tablets	410	175	152
ANC women with Hb < 11gm%	150	1700	64
ANC women referred to higher centres	64	150	10

Part-B: Q.11 to Q.15 (4 questions x 5 Marks = 20 Marks) Attempt any four – Short Notes

Q 11. Give examples of any 5 "Input" indicators related to a health programme designed to digitize the TB control programme.

Q 12. List and describe 5 "Impact" indicators of a child health programme proposed for District X in India.

-: 2 :-

Q 13. Distinguish between “output” and “outcome” indicators, support with examples.

Q 14. Describe the aspirational district program.

Q 15. Mention any 5 indicators of family planning that are routinely captured and analyzed in HMIS.

Part-C: Q.16 to Q.20 (4 questions x 15 Marks = 60 Marks) Attempt any four – **Long Notes**

Q 16. Explain how HMIS helps in planning health interventions at the frontline level. Please, provide examples.

Q 17. What is a logic model? Describe forward and backward approaches.

Q 18. Describe the sample registration system of India and discuss its relevance in context of HMIS.

Q 19. Discuss the role of technology and AI in strengthening HMIS in India.

Q 20. Discuss any 5 SDG 3 goals and indicators and the data source of each. Suggest how HMIS data can be used to improve the achievement of SDG 3 goals.