



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

PGDM (HOSPITAL AND HEALTH MANAGEMENT)

(2024-2026 PGDM Batch)

SUPPLEMENTARY EXAM (4th Semester)

HIT 711-Artificial Intelligence in Healthcare-Integrating Biomedical Data (AIHIBD)

Date: 18-06-2026

Timing & Duration: 02:30 - 05:30 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)

Match the following:

S.No.	Column X	S.No.	Column Y
1	Electronic Health Record	A	generated by physicians, patients, hospitals, pharmacies, and other sources but is controlled by the patient
2	Personal Health Record	B	originates with and is controlled by single provider
3	Electronic Medical Record	C	originates with and is controlled by doctors
	Say True or False		
4	Consent should be taken from the patient before collecting their medical history in hospital		
5	More than one mobile number cannot be entered in EHR		
6	Telemedicine can be used for all disease treatments		
7	e-Prescriptions can help in Adverse Drug Reporting		
	Expand the following		
8	SNOMED- CT		
9	FHR		
10	DPDP		

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

11. Bindas hospital is interested in improving its inventory. How can digital transformation achieve this.
12. An XYZ hospital is interested in developing dash boards to monitor few performance indicators. Identify two indicators for that can be monitored digitally, What type of visualization chart or graphs will you use to follow the indicators.

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13. What ethical concerns one should consider while designing AI based solution
14. Marco is affected by Alzheimer. How can you digitally help Marco in managing his day-to-day life.
15. Write short note on annotation using GenBank sequence entry as an example?

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

A public health intervention is to be carried out in a community with digital intervention for diabetic retinopathy prevention and management. This involves health education to create awareness related to diabetic retinopathy, availability of health services and motivating the community to undergo preventive eye checkup and follow both diabetes and diabetic retinopathy management like taking medicines, regular eye checkup and doctor follow up if any.

16. What steps should be taken for a successful implementation of digital intervention
17. What type of digital interventions can be adopted. Explain briefly.
18. How can AI be used for providing preventive strategies for diabetic retinopathy
19. How have ML algorithms be used in diabetic retinopathy treatment?
20. What are the challenges in use of AI for diabetic retinopathy