



Institute of Health Management Research

MBA Hospital and Health Management

Batch-27th (2022-2024) Health Management

Second Year, Term 5 End Term Examination, December 2023

HEM-720 Digital Health

Time - 3 Hour

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 writing your Enrolment No.

Part A

(Maximum Marks: 5)

Q1. Choose the most appropriate option for each of the following (1 mark each):

- (a). What does Interoperability refer to in healthcare?
 - (i). The ability of various healthcare systems to communicate.
 - (ii). The use of data and analytics tools to find trends.
 - (iii). Managing patient health data for privacy
 - (iv). Both (i) and (ii)
- (b). How are Bottlenecks different from Health System Challenges?
 - (i). They are specific to a health program area.
 - (ii). They represent problems across any health program area.
 - (iii). They are synonymous terms.
 - (iv). Both (i) and (ii)
- (c). What does Data Governance aim to ensure in healthcare?
 - (i). Efficient and effective healthcare delivery
 - (ii). Protection of patient privacy and confidentiality
 - (iii). Interoperability of healthcare systems
 - (iv). All of the above
- (d). How can AI positively impact clinical decision-making in healthcare?
 - (i). By providing virtual assistance to doctors.
 - (ii). By providing virtual assistance to doctors.
 - (iii). By slowing down the care process
 - (iv). By replacing human judgment in healthcare-specific functional areas.
- (e). What is the definition of Digital Literacy?
 - (i). The ability to use digital technology without any guidance.
 - (ii). The interest, attitude, and ability to appropriately use digital technology and communication tools.
 - (iii). The ability to construct new knowledge without using digital tools.
 - (iv). The proficiency in using digital hardware and software.

Part B

(Maximum Marks: 15)

Answer **any three** of the following questions:

- Q2.** Types of wearable devices, and difference in their applications (5)
- Q3.** Ayushman Bharat Digital Mission (5)
- Q4.** Applications of Digital health interventions in COVID-19 pandemic (5)
- Q5.** Clinical Information System (CIS) (5)

Part C

(Maximum Marks: 30)

Answer **any three** of the following questions, in detail:

- Q6.** Why India needs more stringent data protection laws? and describe key provisions of The Digital Information Security in Healthcare Act (DISHA) of 2018. (10)
- Q7.** What infrastructure elements need to be established to support the telemedicine service in remote tribal areas, and how can technology be leveraged to overcome potential challenges? (10)
- Q8.** Enlist the stakeholders in Digital health and benefits of Digital health solutions to them. (10)
- Q9.** Describe the building blocks of National Digital Health Blueprint (NDHB). (10)