Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER MSc. (HEALTH INFORMATICS) DEGREE EXAMINATION - JANUARY 2023
SUBJECT: HIT5101- FUNDAMENTALS OF HEALTH INFORMATICS
(2021 SCHEME)

Marks: 100   **Duration: 180 mins.**

Answer all the questions.

Long Descriptive Pattern:

1A)	"Integrated Model of Healthcare Delivery is an emerging Health Care IT initiative" validate the statement using System Theory Concepts.	(10)
1B)	Briefly explain the scenarios of system change process and role of health informatics professionals in balancing homeostasis.	(10)
2A)	"HIE is a prerequisite for efficient HIS" validate the statement considering the benefits and bottlenecks in implementing an CDSS to an existing EHR.	(10)
2B)	Discuss briefly about need of Content and Structure Standards with suitable example.	(10)

Short Descriptive Pattern:

3)	Discuss in detail about SDLC and role of Informatics Professionals in Implementing a HIS Project	(10)
4)	A) Discuss the Challenges in Delivering Quality Health Care. B) Strategies and Recommendations in improving the Healthcare Service Delivery.	(10)
5)	A) Define DIKW Model B) Explain with suitable diagram Organizational Knowledge Creation Model (3+7 = 10 marks)	(10)
6)	A) Briefly illustrate the relation of ethics and code of conduct of informatics professionals b) Discuss in detail about General principle of Informatics Ethics (3+7 = 10 marks)	(10)

7) Very Short Descriptive:

7A)	Conceptual Model of Hospital.	(5)
7B)	Explain in detail about POMR using a suitable example.	(5)
7C)	Explain about phases of Project Management.	(5)
7D)	Discuss about Kurt Lewin theory of planned change.	(5)

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