Exam Date & Time: 10-May-2024 (02:30 PM - 05:30 PM)

MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.TECH END SEMESTER EXAMINATIONS, MAY 2024
OPEN ELECTIVE-HEALTH CARE IT [IIE4321]

Marks: 50   **Duration: 180 mins.**

A

Answer all the questions.

Instructions to Candidates: Answer ALL questions Missing data may be suitably assumed

1)		Healthcare is about maintaining records in hospitals. Correlate Electronic Healthcare records and Electronic medical records.	(4)
	A)		
	B)	Healthcare is about insurance. How insurance can be regulated to patients?	(3)
	C)	Analyse different types of healthcare. Give examples.	(3)
2)		What are the evolutions and trends in healthcare? Discuss w.r.t. American perspective.	(4)
	A)		
	B)	Healthcare is about adaption. How Health Informatics helps in adaption.	(3)
	C)	Healthcare is about determining good health. How Healthcare information system delegates good health.	(3)
3)		Can Healthcare be programmed? Show the workflow of a patient entering hospital and leaving hospital.	(4)
	A)		
	B)	Discuss Interoperability in healthcare. Simulate some examples.	(3)
	C)	Patient Monitoring System is about understanding the patient by the doctor. Gather steps of Patient Monitoring System.	(3)
4)		How does Consumer Healthcare Informatics help in healthcare? Give examples.	(5)
	A)		

B)   What is Telemedicine. How Remote Patient Monitoring is done in healthcare?

(3)

C)   Describe the components of Health Information Technology Systems? Debate on the components with respect to American Scenario.

(2)

5)   Analyse Artificial Intelligence with respect to Health Care Information Technology.

(4)

A)

B)   How Supervised Learning works in Healthcare? Explain with an example.

(4)

C)   How Health and Healthcare are different in HCIT? Measure their importance with respect to American scenario.

(2)

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