

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-VII EXAMINATION – WINTER 2025

Subject Code:3174203

Date:18-11-2025

Subject Name:AI in HealthCare & Fintech

Time:10:30 AM TO 01:00 PM

Total Marks:70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) List various applications of AI in non-health care systems.	03
	(b) List various applications of AI in health care systems. Also state advantages of AI in health care.	04
	(c) Explain various Applications of AI in Clinical Care Delivery.	07
Q.2	(a) Explain various solutions for program health management in detail.	03
	(b) Explain various solutions for population health management in detail.	04
	(c) State the AI Solutions for patients and family with examples.	07
	OR	
	(c) How population health is improved through chronic disease management?	07
Q.3	(a) How Will Health Care Provider Roles Be Conceptualized? Explain it with suitable example.	03
	(b) How Could Improper AI Hurt Patients and the Health System explain it with suitable examples.	04
	(c) Explain Gartner Hype cycle in detail.	07
	OR	
Q.3	(a) What Will Happen to Acceptance, Trust, and Liability in a Human and Machine AI Future? Explain in detail.	03
	(b) How could AI reshape medicine and health in unintended ways?	04
	(c) Describe cyber security vulnerabilities due to AI automation.	07
Q.4	(a) Describe classification of machine learning in detail.	03
	(b) Explain in detail machine learning model training with suitable example.	04
	(c) Explain the framework and criteria for AI Selection and Implementation in Clinical Care in detail.	07
	OR	
Q.4	(a) Explain how AI can transform push/pull wealth management offers. Provide examples.	03
	(b) Explain the role of AI in the lending industry. How does AI impact the lending process?	04
	(c) Discuss the role of AI in credit scoring. How does AI-based credit scoring differ from traditional methods?	07

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| Q.5 | (a) Explain Applications of AI in Deposits and Lending. | 03 |
| | (b) Explain how Chabot's are leveraged in the banking industry to enhance customer service. | 04 |
| | (c) Describe how AI is transforming the credit landscape for small and medium-sized enterprises (SMEs) on a global scale. | 07 |

OR

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| Q.5 | (a) Explain AI in Indian Investment and Asset Management. | 03 |
| | (b) Discuss the implications of AI in environmental, social, and governance (ESG) investing. How can AI improve ESG analysis? | 04 |
| | (c) Describe the concept of ETF 2.0 and its relationship with block-chain technology and AI. Also Explain Dispelling the Illusion. | 07 |
