

Exam Date & Time: 03-Jun-2023 (02:30 PM - 05:30 PM)



# MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.TECH END SEMESTER EXAMINATIONS, MAY-JUNE 2023

**HEALTH CARE IT [IIE-4321]**

**Marks: 50**

**Duration: 180 mins.**

**A**

**Answer all the questions.**

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

- 1) Illustrate the differences between Health and Healthcare? (3)
  - A)
  - B) Analyze the use of Electronic Health Records, with an example. (4)
  - C) State, what is Primary Health Care, Secondary Health Care and Tertiary Health Care, with an example. (3)
- 2) Describe the process of Financing Health Care, with an example. (3)
  - A)
  - B) Narrate the process of Regulating Health Care, with an example. (4)
  - C) What are the trends of Health Care in US? Illustrate with an example. (3)
- 3) What is Interoperability in Health Care? Illustrate with an example. (4)
  - A)
  - B) Illustrate on Population Health Management, with an example. (3)
  - C) How Remote Patient Monitoring is done? Explain with an example. (3)
- 4) What is Consumer Health Informatics? Explain with an example. (3)

- A)
- B) What is Ambulatory Process, in Health care? Illustrate with an example. (4)
- C) How Artificial Intelligence is used in Healthcare? Illustrate with an example. (3)
- 5) What are the features, to be selected for Disease Recognition in Healthcare? Show with an example. (3)
  - A)
  - B) What is the Workflow, followed by Cerner Healthcare? Show with an example. (4)
  - C) What is Supervised Learning? Explain with an example , w.r.t. Healthcare. (3)

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