# Question Paper

## MANIPAL ACADEMY OF HIGHER EDUCATION

**FIRST SEMESTER M.Sc. HEALTH INFORMATICS (HEALTHCARE IT MANAGEMENT) DEGREE EXAMINATION - APRIL 2022**
**SUBJECT: HIT5101 - FUNDAMENTALS OF HEALTH INFORMATICS**
**(2021 SCHEME)**

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

### Long Descriptive Pattern:

| | | |
|---|---|---|
| 1) | "Understanding information processing provides a framework for HI professionals in designing user manual and training module" validate the statement using cognitive learning theory. Explain in detail the role of informatics professionals in the "Stages of Acceptance".<br>(15+5 = 20 marks) | (20) |
| 2) | Discuss the flow chart of Organizational structure of ISD. Explain in detail the activities of an information system department.<br>Discuss the performance expectations of an Ideal information system department.<br>(15+5 = 20 marks) | (20) |

### 3. Short Descriptive Pattern:

| | | |
|---|---|---|
| 3A) | Define Information Literacy. Discuss the Information Competencies by AHIMA.<br>Elicit the stages of Information Seeking Process.<br>(4+6 = 10 marks) | (10) |
| 3B) | Elicit the Functions of Hospitals and evolving trends in Healthcare Delivery. | (10) |
| 3C) | "Telemedicine is an emerging trend of health care industry in India" validate the statement considering the benefits and bottlenecks in implementing it in a tertiary setting. | (10) |
| 3D) | Briefly explain Identifier standards and need for HIPAA in Health Insurance Industry.<br>Elicit the need of technical standards in E-health initiatives.<br>(7+3 = 10 marks) | (10) |

### 4. Very Short Descriptive:

| | | |
|---|---|---|
| 4A) | Briefly explain International Standard Reference Model. | (5) |
| 4B) | Briefly explain Principle of Informatics Ethics. | (5) |
| 4C) | Types of Knowledge. | (5) |
| 4D) | Problem Oriented Medical Record. | (5) |

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**FIRST SEMESTER M.Sc. HEALTH INFORMATICS (HEALTHCARE IT MANAGEMENT) DEGREE EXAMINATION - APRIL 2022**
**SUBJECT: HIT5102 - PUBLIC HEALTH INFORMATION MANAGEMENT**
**(2021 SCHEME)**

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

**Answer all the questions.**

**Write Essays on:**

1) "A well-coordinated data transmission method improves the reporting performance of health information system". Discuss various types of data transmission with suitable example. (20)

2) Draw a flowchart to show the organizational model of health services. Write in detail about the various level and management functions. (20)

3. **Write short essays on:**

3A) What are the various instruments used for collecting routine healthcare data? Briefly explains the steps involved in designing and developing data collection instruments. (10)

3B) Discuss the Use and Utilization of Health Information at Each Level of health service. (10)

3C) Explain the steps involved in Development of Population Based Community Health Information System. (10)

3D) Define the term Health Information System Assessment. What are the steps involved in assessing country health information system? (10)

4. **Write short notes on:**

4A) Functions of Health Information System. (5)

4B) Essential public health functions. (5)

4C) Non-routine data collection method. (5)

4D) Performance Indicator of health information system. (5)

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