

# Question Paper

Exam Date & Time: 25-Apr-2022 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc. HEALTH INFORMATICS (HEALTHCARE IT MANAGEMENT) DEGREE EXAMINATION - APRIL  
2022

SUBJECT: MIN 601 - FUNDAMENTALS OF HEALTH INFORMATICS  
(2018 SCHEME)

Answer ALL questions.

Marks: 100

Duration: 180 mins.

- 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". (8+12 = 20 marks) (20)
- 2) Explain in detail the perspectives of "Change Theory"? Explain in detail the role of informatics professionals in the "Stages Of Acceptance" and in using change theory in "System Adoption" (10+5+5 = 20 marks) (20)
- 3) Discuss the performance expectations of an Ideal information system department. Explain in detail the activities of an information system department. (10)
- 4) What are the challenges of implementing e health? Elicit the need of Technical standards in E-health initiatives? (10)
  
- 5A) What is an expert system? How the knowledge is represented in an expert system. (5)
- 5B) Explain the stages of project management. (5)
- 5C) Explain the steps of information literacy with a suitable example. (5)
- 5D) Enumerate the fundamental principles of ethics and general principles of informatics ethics. (5)
- 5E) Functions of Hospitals. (5)
- 5F) List the layers of International Standard Reference Model. (5)
- 6A) List the components of expert systems. (2)
- 6B) What is clinical decision support system? (2)
- 6C) List domains and tools of Health Informatics. (2)
- 6D) Types of System Application. (2)
- 6E) Hype cycle Model. (2)

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# Question Paper

Exam Date & Time: 23-Apr-2022 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc. HEALTH INFORMATICS (HEALTHCARE IT MANAGEMENT) DEGREE EXAMINATION - APRIL  
2022  
SUBJECT: MIN 603 - MEDICAL LANGUAGE I  
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

### Answer all the questions.

1. Describe the terminology of following medical terms:

1A)	Myxosarcoma	(2)
1B)	Exocrine	(2)
1C)	Morphology	(2)
1D)	Pericarditis	(2)
1E)	Chondroma	(2)
1F)	Quintuplet	(2)
1G)	Lithotripsy	(2)
1H)	Metaplasia	(2)
1I)	Hyperthermia	(2)
1J)	Dehydration	(2)
1K)	Dystocia	(2)
1L)	Percutaneous	(2)
1M)	Hemiplegia	(2)
1N)	Antenatal	(2)
1O)	Anoxemia	(2)

2. Write down the correct medical term for the following explanations:

2A)	A surgical communication between two parts of duodenum.	(1)
2B)	Bluish discoloration of skin.	(1)
2C)	Study of female reproductive disorders.	(1)
2D)	A trance like state which resembles normal sleep.	(1)
2E)	Excessive sexual desire in females.	(1)
2F)	A fetus with sharp head.	(1)
2G)	Purple colored bleeding spots beneath the skin.	(1)
2H)	Constant difficulty in passing motion.	(1)

- 2I) Presence of excess carbon dioxide in the blood. (1)  
2J) Production of bone tissues. (1)

3. Write down the correct explanation for the following medical terms:

- 3A) Lipoma (1)  
3B) Cicatrix (1)  
3C) Apophysis (1)  
3D) Metastasis (1)  
3E) Hepatitis (1)  
3F) Eupnea (1)  
3G) Admetra (1)  
3H) Hydrocele (1)  
3I) Narcotic (1)  
3J) Malaise (1)  
3K) Immunity (1)  
3L) Salpingectomy (1)  
3M) Symmelia (1)  
3N) Lordosis (1)  
3O) Cibophobia (1)  
3P) Myalgia (1)

4. Write short note on following medical conditions and terms:

- 4A) Pneumonia (2)  
4B) Asthma (2)  
4C) Ascites (2)  
4D) Osteoporosis (2)  
4E) Hepatitis- A (2)  
4F) Panniculitis (2)  
4G) Hypertension (2)

5. Answer the following:

- 5A) Explain any six surgical procedures performed on bony structures. (6)  
5B) What is anemia? Discuss briefly about etiology and clinical features of anemia. (6)  
5C) Discuss about etiology and clinical features of liver cirrhosis. (6)  
5D) Distinguish between TORCH syndrome and CREST syndrome. (6)  
5E) Briefly explain about the surgical category 'Incision'. (6)

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# Question Paper

Exam Date & Time: 26-Apr-2022 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc. HEALTH INFORMATICS (HEALTHCARE IT MANAGEMENT) DEGREE EXAMINATION - APRIL  
2022

SUBJECT: MIN 605 - MANAGEMENT AND ORGANISATIONAL BEHAVIOR  
(2018 SCHEME)

Answer ALL questions.

Marks: 100

Duration: 180 mins.

### Long answers:

- 1) "Unpleasant surprises are simply avoided by communicating clearly throughout the project" - Anni Korman. Elaborate the statement by stating the process, importance, types of communication, and explaining the various communication networks used by managers throughout a project. (20)
- 2) Define planning. Discuss the process of planning. Differentiate strategic and tactical planning. List and elaborate the different types of plans that are used in planning; giving examples for each type of plan. (20)  
(2+4+4+10 = 20 marks)
- 3A) Define Perception. What are the factors influencing the perceptual process? (10)  
(3+7 = 10 marks)
- 3B) What are the different levels of Management found in a healthcare organization? Discuss the functions of each level. What are the roles that a manager plays? What are the skills required to successfully carry out those functions and roles? (10)  
(2+3+2+3 = 10 marks)
- 3C) What are the Difficulties/hurdles in coordination? How is Coordination maintained in a HIM department? (10)  
(5+5 = 10 marks)
- 3D) Define values. What are the different types of values? (10)  
(2+8 = 10 marks)

### 4. Write Short notes on the following:

- 4A) Job satisfiers vs. motivators. (5)
- 4B) Punishment vs order. (5)
- 4C) Unity of direction vs unity of command. (5)
- 4D) Manager vs leader. (5)

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# Question Paper

Exam Date & Time: 27-Apr-2022 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc. HEALTH INFORMATICS (HEALTHCARE IT MANAGEMENT) DEGREE EXAMINATION - APRIL  
2022

SUBJECT: MIN 607 - PUBLIC HEALTH INFORMATION MANAGEMENT  
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Discuss the role of various informatics applications in overall management of population based healthcare data. (20)
- 2) What are the various decision support and expert tools used in providing quality healthcare to the population? Discuss. (20)
- 3) What are the Health Unit Management Functions. (10)
- 4) Briefly explain HIS Resources. (10)

5. Write Short notes:

- 5A) Critical resources in managing healthcare data. (5)
- 5B) Restructuring health information system. (5)
- 5C) Reason for health information system. (5)
- 5D) Health Information System Assessment. (5)
- 5E) Role of Public Health Information System. (5)
- 5F) Critical resources in managing healthcare data. (5)

6. Write short answers:

- 6A) Define Public Health Information Management. (2)
- 6B) Data Analysis. (2)
- 6C) Routine Data Collection. (2)
- 6D) Define Index with example. (2)
- 6E) What do you mean by Digitization? (2)

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