Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. HEALTH INFORMATION MANAGEMENT DEGREE EXAMINATION - JUNE 2024
SUBJECT: HIM5202 - ADVANCED HEALTH INFORMATION MANAGEMENT
(2021 SCHEME)

Marks: 50   **Duration: 120 mins.**

Answer all the questions.

Long Essay:

1)   Analyze the concept of risk management in HIM. Explain the risk management principles and their   (20)
            application in the profession.

2. **Short Essay:**

2A)   List out and explain the concept of internal Information flow. List out the key stakeholders of internal (10)
            health information and explain how they are using it.

2B)   Describe in detail the various phases in developing a Health Information Management System.   (10)

3. **Short Answers:**

3A)   Discuss Data breaches and how they can be prevented.   (5)

3B)   Explain the code of ethics to be followed by HIM professionals according to AHIMA.   (5)

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SECOND SEMESTER M.Sc. HEALTH INFORMATION MANAGEMENT DEGREE EXAMINATION - JUNE 2024
SUBJECT: HIM5203 - HEALTH INFORMATICS
(2021 SCHEME)

Marks: 50   **Duration: 120 mins.**

Answer all the questions.

Long Essay:

1) List and explain the ways in which the information is getting released from a hospital to various stakeholders. Describe various methodologies for legally protecting the health information maintained in an automated system.   (20)

2. **Short Essay:**

2A) What is telemedicine? What are the infrastructure required in implementing telemedicine services? Why India need the maximum coverage of telemedicine services.   (10)

2B) List and analyze various trends that influences the use of health information in a healthcare setting.   (10)

3. **Short Notes:**

3A) List and explain the steps involve in usability assessment of a informatics application.   (5)

3B) Explain the role of a Health Information Management Professional in protecting patient data.   (5)

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MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. HEALTH INFORMATICS (HEALTH CARE IT MANAGEMENT) DEGREE EXAMINATION - JUNE 2024
SUBJECT: HIT 5201 - ADVANCED HEALTH INFORMATICS
(2021 SCHEME)

Marks: 50   **Duration: 120 mins.**

Answer all the questions.

1)	Explain the Electronic Medical Record Adoption Model (EMRAM).	(20)
2)	Classify the six types of Health Care Consumers.	(10)
3A)	Explain various validation techniques for online health information.	(5)
3B)	What do you understand about system backup and disaster recovery procedures?	(5)
4A)	What is the difference between EMR and EHR?	(2)
4B)	Who is a consumer of Healthcare Services?	(2)
4C)	What is a probabilistic inference engine?	(2)
4D)	What is data encryption in healthcare?	(2)
4E)	What are the four types of healthcare data analytics?	(2)

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MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. HEALTH INFORMATION MANAGEMENT/ HEALTH INFORMATICS (HEALTHCARE IT MANAGEMENT) DEGREE EXAMINATION - JUNE 2024
SUBJECT: HOA5201 - HOSPITAL ADMINISTRATION
(2021 SCHEME)

Marks: 50   **Duration: 120 mins.**

Answer all the questions.

1A)	Explain the significance of each stage in the procurement cycle and its role in efficient material management.	(8)
1B)	Define what lead time refers to in material management. Analyze the factors influencing lead time and its impact on inventory management and supply chain efficiency. (2+10 = 12 marks)	(12)

2.   What if we introduce this new diagnostic test into clinical practice in the Indian healthcare delivery system, which is going to revolutionize the screening and confirmation of a Covid-19, which is a public health problem?

2A)	Describe the ways in which we understand its potential value to patients and to healthcare providers.	(2.5)
2B)	Can we estimate what resources (e.g. clinical time and money) the new test would use compared to current tests?	(2.5)
2C)	Are there are any wider population/society level benefits that might be gained (or cost savings) from using the new test?	(2.5)
2D)	What additional evidence do we need to persuade decision-makers to adopt the test?	(2.5)

3A)	Describe key components of planning intensive care services in a hospital.	(5)
3B)	Define informed consent in the context of medical treatment. Explain the significance of the Nuremberg Code in healthcare ethics.	(5)
3C)	Describe the steps involved in planning function of a project.	(5)
3D)	Briefly describe evolution of quality. Discuss any two quality tools that can be used in hospital settings.	(5)

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MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. HEALTH INFORMATION MANAGEMENT/HEALTH INFORMATICS (HEALTCARE IT MANAGEMENT) DEGREE EXAMINATION - JUNE 2024
SUBJECT: QAM5201 - QUALITY MANAGEMENT
(2021 SCHEME)

Marks: 50   **Duration: 120 mins.**

Answer all the questions.

1)	Narrate how various process for building a strategy for quality is relevant for a hospital in India context.	(20)
2A)	Explain the relevance of secondary data and its benefit in measuring the quality outcomes of healthcare.	(10)
2B)	Write down the applications and importance of six sigma as a quality improvement method.	(10)

3. **Short Notes:**

3A)	Cause effect diagram.	(5)
3B)	TQM Model.	(5)

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