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Library
Brainware University
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BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – MBA(HM)-2025

Course Name – Health Informatics and AI-Powered Diagnostics

Course Code - MHM20505

(Semester II)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. *Choose the correct alternative from the following :*

- (i) Choose the correct definition of an Information System.
 - a) A system for storing hardware only
 - b) A combination of hardware, software, data, procedures, and people
 - c) A manual filing method
 - d) A platform for entertainment
- (ii) Find the component responsible for physical devices in an Information System.
 - a) Hardware
 - b) Software
 - c) Procedures
 - d) People
- (iii) List the clinical function supported by HIS.
 - a) Patient registration
 - b) Housekeeping
 - c) Email drafting
 - d) Payroll update
- (iv) Choose the first step of information development.
 - a) Data processing
 - b) Requirement analysis
 - c) Data storage
 - d) Feedback
- (v) Find the component of DSS that stores analytical models.
 - a) Model base
 - b) Database
 - c) User interface
 - d) Keyboard
- (vi) Estimate the challenge of DSS implementation.
 - a) Low cost
 - b) High data dependency
 - c) Zero training
 - d) No analytics
- (vii) Mark the benefit of collaborative CRM.
 - a) Enhances communication
 - b) Prevents care
 - c) Stops treatment
 - d) Reduces staff
- (viii) Select change management impact.
 - a) Improves user adoption
 - b) Removes EHR
 - c) Stops CRM
 - d) Reduces automation
- (ix) Relate teleconsultation to care delivery.

- a) Prevents specialist access
- b) Remote diagnosis support
- c) Blocks discussion
- d) Only billing service
- (x) Show benefit of mobile health apps.
 - a) Adds waiting
 - b) Enables remote scheduling
 - c) Disables access
 - d) Increases paperwork
- (xi) Show the contribution of MRD to legal compliance
 - a) Consent storage
 - b) Entertainment services
 - c) Interior design
 - d) Public relations
- (xii) Show the role of computerized records in telemedicine
 - a) Paper referrals
 - b) Instant data access
 - c) Manual filing
 - d) Delayed reporting
- (xiii) Choose the correct feature of EHR systems
 - a) Paper dependency
 - b) Interoperability
 - c) Manual indexing
 - d) Oral reporting
- (xiv) Identify the law protecting digital medical data in India
 - a) CPA 2019
 - b) IT Act 2000
 - c) IPC
 - d) Factory Act
- (xv) Select the best practice for record disposal
 - a) Open dumping
 - b) Secure shredding
 - c) Public sharing
 - d) Long storage

Group-B

(Short Answer Type Questions)

3 x 5=15

2. What are the five components of an Information System in hospitals. (3)
3. Classify the implementation strategies of Hospital Information System. (3)
4. Interpret the purpose of requirement analysis in the information development process. (3)
5. Compare clinical and administrative benefits of electronic health record systems. (3)
6. Determine the major challenges faced in information development in hospitals. (3)

OR

Justify the need for training staff in information development systems. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Outline the objectives of Hospital Information System. (5)
8. Determine the role of information development in improving hospital efficiency. (5)
9. Infer the impact of electronic communication on operational efficiency in hospitals. (5)
10. Value the contribution of mobile health applications in patient-centered care. (5)
11. Explain the relevance of medical transcription in maintaining accurate healthcare documentation. (5)
12. Assess the legal consequences of improper maintenance of medical records. (5)

OR

Explain the relevance of retention policies in legally compliant medical record management. (5)

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