

Reg. No.

## MANIPAL UNIVERSITY

FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2009

SUBJECT: COMPUTER APPLICATIONS IN HEALTH

Thursday, January 08, 2009

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ Answer ALL questions.

1. Answer the following questions:

- 1A. Discuss the 1<sup>st</sup> and 2<sup>nd</sup> generation of computer. (10 marks)
- 1B. Discuss briefly on Input and Output devices of computer. (10 marks)
- 1C. Explain briefly on various strategies for the successful implementation of EHR. (10 marks)
- 1D. Briefly outline the evolution of computer in India. (10 marks)
- 1E. What is e health? Write the benefits and application of e health. (1+5+4 = 10 marks)

2. Write short notes on the following:

- 2A. Categories of information system in hospitals.
- 2B. Advantages of EMR.
- 2C. Employee information module of HIS.
- 2D. Key function of decision support system.
- 2E. General model of CMD.
- 2F. Wide area networking and its applications. (5×6 = 30 marks)



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## MANIPAL UNIVERSITY

FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2009

SUBJECT: FOUNDATION OF HEALTH INFORMATION MANAGEMENT

Monday, January 05, 2009

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ All questions are compulsory.

1. Define health information system. Briefly describe the management of health information system. (10 marks)
2. Briefly describe the issues of health information system with suitable example. (10 marks)
3. Brief the component of health information management structure with suitable example. (10 marks)
4. Draw the flowchart to show the organizational model of health services. Briefly describe the various management functions of health services. (10 marks)
5. Briefly explain the resource required for hospital health information system. (10 marks)
6. Write short notes:
  - 6A. Data collection methods of health information system.
  - 6B. Source of health information.
  - 6C. Rapid assessment procedure.
  - 6D. Types of vertical data transmission.
  - 6E. HIS supplies.
  - 6F. Objective of HIS assessment.

(5×6 = 30 marks)



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## MANIPAL UNIVERSITY

FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2009

SUBJECT: FRONT OFFICE MANAGEMENT

Tuesday, January 06, 2009

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

**All the questions are compulsory.**

1. Write in detail about “marketing variables” and “marketing mix”.  
(5+5 = 10 marks)
2. Write in detail about the “Role of hospital administrations in hospitals”.  
(10 marks)
3. Write in detail functional aspects of innovative marketing.  
(10 marks)
4. Discuss in brief the various options in pricing.  
(20 marks)
5. How important is a HR department for a hospital? What should be its location and design?  
(5+5 = 10 marks)
6. Write short notes on the following:
  - 6A. Scope of HIS
  - 6B. Functions of PRD
  - 6C. Barriers to Professional Management in Hospitals
  - 6D. Shifting loyalty in patients  
(5×4 = 20 marks)



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## MANIPAL UNIVERSITY

**FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2009**

**SUBJECT: INTRODUCTION TO HEALTH INSURANCE AND CODING**

Wednesday, January 07, 2009

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

☞ **All the questions are compulsory.**

**1. Answer the following questions:**

- 1A. What is HMO? Write in brief about HMOs. (1+9 = 10 marks)
- 1B. Write the history of AHA. Write in brief about their achievements. (5+5 = 10 marks)
- 1C. What is SNOMED? Write in brief about SNOMED with example. (1+9 = 10 marks)
- 1D. Write in brief about 'Adoption of International List of causes of Morbidity'. (10 marks)

**2. Write the definitions of the following Insurance terms:**

- 2A. A.M. Best Rating
- 2B. AOB
- 2C. Coding
- 2D. Covered Injury and Sickness
- 2E. Deductible (2×5 = 10 marks)

**3. Write short notes on:**

- 3A. Medicaid
- 3B. ERISA
- 3C. Basic and Major medical coverage
- 3D. Customary Fee
- 3E. Nomenclature of Diseases (4×5 = 20 marks)

**4. Match the following from Part-I to Part-II :**

Part – I		Part – II	
1.	Chapter 1	a.	Injury & Poisoning
2.	Chapter 3	b.	Supplemental classification of external causes of Injury & Poisoning
3.	Chapter 5	c.	Diseases of Musculoskeletal and Connective tissue
4.	Chapter 7	d.	Certain conditions originating in the Perinatal Period
5.	Chapter 9	e.	Diseases of Digestive System
6.	Chapter 11	f.	Complications of pregnancy, childbirth & Puerperium
7.	Chapter 13	g.	Mental disorders
8.	Chapter 15	h.	Diseases of Circulatory System
9.	Chapter 17	i.	Endocrine, Nutritional & Metabolic diseases & Immunity disorder
10.	Chapter 19	j.	Infectious parasitic diseases

(10 marks)

