

**MANIPAL UNIVERSITY****FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2012****SUBJECT: FOUNDATION OF HEALTH INFORMATION MANAGEMENT  
(OLD REGULATION)**

Monday, January 02, 2012

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

**✍ Answer ALL questions:**

1. Define the term health information system. Write the sources and functions of health information system with suitable example.  
(1+4+5 = 10 marks)
2. What is data processing? Mention the common source of error. What can be done to improve and ensure data quality? Explain.  
(1+3+6 = 10 marks)
3. Explain the management functions at each level of healthcare system using flowchart.  
(10 marks)
4. What is health information assessment? Write the objective of health information system assessment. Explain briefly on steps for the assessment of health information system.  
(1+2+7 = 10 marks)
5. Discuss on basic steps for the design and implementation of health information system.  
(10 marks)
6. Discuss on various issues of health information system and community based practice.  
(10 marks)
7. **Write short notes on:**
  - 7A. Reason for the computerization of HIS
  - 7B. Resource for a hospital information system
  - 7C. Vertical data transmission
  - 7D. Key facets of population based health information system  
(5×4 = 20 marks)



**MANIPAL UNIVERSITY****FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2012****SUBJECT: FRONT OFFICE MANAGEMENT  
(COMMON FOR BOTH OLD AND NEW REGULATION)**

Wednesday, January 04, 2012

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

**All questions are compulsory.**

1. Distinguish between pricing policy and pricing strategy. Briefly explain the different pricing options which the hospitals can fix their services.  
(5+10 = 15 marks)
2. What do you understand by health information communication, explain with reference to communication among different professional groups in the hospital.  
(10 marks)
3. What are the principles of marketing? Explain in detail about marketing mix with respect to health care marketing.  
(5+10 = 15 marks)
4. Discuss the criteria for developing an effective media program by hospitals.  
(10 marks)
5. Discuss the roles and functions of a hospital administrator.  
(10 marks)
6. **Write short notes on the following:**
  - 6A. Dual authority in hospitals
  - 6B. Hierarchy of Hospital Information System
  - 6C. Disaster preparedness planning
  - 6D. Benefits of Hospital Information System
  - 6E. Promotional tools used for public relations

(4×5 = 20 marks)



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# MANIPAL UNIVERSITY

**FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2012**

**SUBJECT: INTRODUCTION TO HEALTH INSURANCE  
(COMMON FOR BOTH OLD AND NEW REGULATION)**

Friday, January 06, 2012

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

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**1. Answer ALL the questions:**

- 1A. List the chapters of ICD-9-CM and write the coding guidelines for external causes of injury and poisoning.
- 1B. What are standard 'Code Sets', brief about each code sets.
- 1C. Discuss the role of Coders in health insurance claim process.
- 1D. What is HIPAA? What is its role in maintaining confidentiality and security of patient data?
- 1E. Write in detail about the types of insurance plans.

(10×5 = 50 marks)

**2. Write short notes on:**

- 2A. AHIMA
- 2B. Appeal and grievance
- 2C. SNDO
- 2D. Group insurance
- 2E. Square Bracket in ICD-9-CM
- 2F. Coinsurance and copayment

(5×6 = 30 marks)



**MANIPAL UNIVERSITY****FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2012****SUBJECT: COMPUTER APPLICATIONS IN HEALTH  
(COMMON FOR BOTH OLD AND NEW REGULATION)**

Monday, January 09, 2012

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

**✍ Answer ALL questions.**

1. Trace the history and development of computers during fourth and fifth generation.  
(10 marks)
2. Define hospital information system. Write the benefits and qualities of hospital information system.  
(1+5+4 = 10 marks)
3. Discuss on barriers in successful implementation of hospital information system.  
(10 marks)
4. What is decision support system? Draw a CMD model to show the component of decision support system. How decision support system assist the clinician in quality decision making? Explain.  
(1+3+6 = 10 marks)
5. Discuss on impact of computers on hospital, healthcare professionals and managers.  
(10 marks)
6. Define the term Telemedicine. Write the benefits of telemedicine in patient and providers perspective. Mention the strategies for the successful implementation of telemedicine technology.  
(1+6+3 = 10 marks)
7. **Write short notes:**
  - 7A. Input and output device of computers
  - 7B. System analysis for HIS
  - 7C. Phases of computer evolution in India
  - 7D. eHealth application

(5×4 = 20 marks)

