

MANIPAL UNIVERSITY

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

SUBJECT: INTRODUCTION TO HEALTH INSURANCE

Wednesday, June 03, 2009

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

☞ **All questions are compulsory.**

1. Answer the following questions:

- 1A. Write in detail about Fee-for-service providers. (10 marks)
- 1B. What is AHA? Write the history and goal of AHA in brief. (1+5+4 = 10 marks)
- 1C. Write the primary circumstances for the use of v-codes with examples. (8+2 = 10 marks)
- 1D. How many chapters are there in ICD-9-CM? List the chapters sequentially. (1+9 = 10 marks)

2. Write short notes on the following:

- 2A. Medicaid
- 2B. Responsibilities of NCHS
- 2C. Administrative simplification of HIPAA
- 2D. Coding for poisoning
- 2E. Nomenclature (4×5 = 20 marks)

3. Write the definitions of the following Health Insurance terms:

- 3A. Premium
- 3B. Co-ordination of benefits
- 3C. Medical evacuation and Repatriation
- 3D. Formulary
- 3E. Benefit cap (2×5 = 10 marks)

4. Match the following from Set-I to Set-II

Set-I		Set-II	
1.	403	a.	Elevated Blood Pressure
2.	796.2	b.	Hypertensive renal disease
3.	V22.0	c.	Early onset of delivery
4.	644.21	d.	Supervision of first normal delivery
5.	946	e.	Sterilization status
6.	V26.5X	f.	Burns of multiple specified sites
7.	V48.81	g.	Attention to artificial openings
8.	V55	h.	Post menopausal status
9.	V65.3	i.	Unspecified accident
10.	E928.9	j.	Dietary surveillance and counseling

(1×10 = 10 marks)



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

SUBJECT: FOUNDATION OF HEALTH INFORMATION MANAGEMENT

Monday, June 01, 2009

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **All questions are compulsory**

1. Briefly describe the measures to be taken for the generation of high quality data. (10 marks)
2. What is population based community health information system? Describe the various key facets of population based community health information system. (1+9 = 10 marks)
3. What is routine data collection method? Briefly describe the types of routine data collection method. List the data collection instrument with suitable example. (1+9+5 = 15 marks)
4. Briefly explain the characteristics of vertical data transmission. (7 marks)
5. Briefly describe the common source of error in data processing. (8 marks)
6. Write short notes:
 - 6A. HIS resources.
 - 6B. HIS performance indicator.
 - 6C. Utilization of health information at facility level.
 - 6D. Objectives of health information system.
 - 6E. Organizational model of health services.
 - 6F. Duties and responsibilities of HIS staff at first level referral facility.

(5×6 = 30 marks)



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

SUBJECT: COMPUTER APPLICATIONS IN HEALTH

Thursday, June 04, 2009

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer All questions.**

1. Trace the development of computers during third and fourth generation.
(10 marks)
2. What is networking? Explain briefly on types of networking for various computer applications.
(1+9 = 10 marks)
3. What is hospital information system? Write the qualities, capabilities and needs of hospital information system in healthcare facilities.
(1+9 = 10 marks)
4. Discuss briefly on features, attributes and core functions of electronic health records.
(10 marks)
5. Trace the phases of computer evolution in India.
(10 marks)
6. What is telemedicine? Write the needs of telemedicine in India. Write the bottleneck for the growth of telemedicine in India.
(1+4+5 = 10 marks)
7. Write short notes on:
 - 7A. General model of CMD.
 - 7B. Key function of Decision support system.
 - 7C. Approaches for HIS implementation.
 - 7D. Application Software.

(5×4 = 20 marks)



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

SUBJECT: FRONT OFFICE MANAGEMENT

Tuesday, June 02, 2009

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ All the questions are compulsory.

1. What is marketing of health care service? Discuss with reference to corporate and women health care.
(5+8 = 13 marks)
2. With the help of the flow chart, explain the typical information flow within and outside the hospital setup.
(2+8 = 10 marks)
3. List the functions of PRD and explain.
(1+9 = 10 marks)
4. What are the various options in pricing? Discuss each option in brief.
(15 marks)
5. How important is a HR department for a hospital? Explain in context to its:
 - 5A. Location
 - 5B. Design
 - 5C. Organization
 - 5D. Space requirement
(3×4 = 12 marks)
6. Write short notes on:
 - 6A. Scope of innovative marketing.
 - 6B. Professional management of hospitals.
 - 6C. Dual authority in hospitals.
 - 6D. Different aspects of health care services.
(5×4 = 20 marks)

