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MANIPAL UNIVERSITY

FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2010

SUBJECT: FOUNDATIONS OF HEALTH INFORMATION MANAGEMENT

Monday, January 04, 2010

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **All questions are compulsory.**

1. Brief the functions of health information system. (7 marks)
2. What is non routine data collection method? Briefly explain the types of non routine data collection method. (1+9 = 10 marks)
3. What is vertical data transmission? Explain the horizontal data transmission with suitable example. (1+9 = 10 marks)
4. Briefly describe the steps involves in designing and implementation of data collection instrument. (9 marks)
5. Briefly explain the common subsystem of health information system. (6 marks)
6. Briefly describe the utilization of health information at district and state level. (8 marks)
7. **Write short notes:**
 - 7A. Duties and responsibilities of HIS staff at primary level.
 - 7B. Data collection instrument for health unit management.
 - 7C. HIS supplies.
 - 7D. Types of health information.
 - 7E. Key facets of population based community health information system.
 - 7F. Health unit data collection.

(5×6 = 30 marks)



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FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2010

SUBJECT: FRONT OFFICE MANAGEMENT

Tuesday, January 05, 2010

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ All questions are compulsory.

1. Discuss in the different pricing options available to hospitals for the services they provide.
(5+5 = 10 marks)
2. Describe the various strategies of marketing corporate health services.
(10 marks)
3. What do you understand by patient satisfaction? Explain in detail the criteria for evaluating patient satisfaction.
(3+7 = 10 marks)
4. What do you understand by health information communication? What are the different channels and mediums of communication in a health care institution? Explain.
(5+5 = 10 marks)
5. List with examples the classification of hospitals in India.
(10 marks)
6. Write short notes on the following:
 - 6A. Scope of innovative marketing.
 - 6B. Barriers to professional management of hospitals.
 - 6C. Public health services in India.
 - 6D. Benefits of Hospital Information System.
 - 6E. Hospital and news media relations.
 - 6F. Functions of hospital services.

(5×6 = 30 marks)



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FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2010

SUBJECT: COMPUTER APPLICATIONS IN HEALTH

Thursday, January 07, 2010

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ Answer ALL questions.

1. What is computer? Trace the development of computers during first and second generation.
(1+9 = 10 marks)
2. Discuss briefly on input and output devices of computers.
(10 marks)
3. What is Hospital Information system? Explain briefly on medical records, nursing services and patient accounting module.
(1+9 = 10 marks)
4. What is electronic health record? Explain briefly on potential barriers in the successful implementation of electronic health record. Explain.
(1+9 = 10 marks)
5. Discuss the impact of computer in hospital, healthcare professionals and managers.
(10 marks)
6. What is telemedicine? Write the needs of telemedicine in India and bottleneck for the growth of it.
(1+4+5 = 10 marks)
7. Write short notes on:
 - 7A. Internet.
 - 7B. General model of CMD.
 - 7C. Benefits of e-health.
 - 7D. Component of Decision Support System.
(5×4 = 20 marks)



MANIPAL UNIVERSITY**FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2010****SUBJECT: INTRODUCTION TO HEALTH INSURANCE**

Wednesday, January 06, 2010

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

All questions are compulsory.**1. Answer the following questions.**

- 1A. What is HCFA? Give a brief account of its history and achievements. (1+4+5 = 10 marks)
- 1B. Write in detail about SNOMED with example. (10 marks)
- 1C. Write in brief about adoption of International List of Causes of Death. (10 marks)
- 1D. What are E-codes? Write the general 'E-Code' coding guidelines. (1+9 = 10 marks)

2. Write short notes on the following:

- 2A. Non cancelable policy.
- 2B. Disability Insurance.
- 2C. Nomenclature.
- 2D. Coding of adverse effects.
- 2E. Necessary treatment. (4×5 = 20 marks)

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

- 3A. Family History
- 3B. Covered sickness
- 3C. Medigap
- 3D. Assignment of Benefits
- 3E. HCPCS (2×5 = 10 marks)

4. Match the following from Set – 1 to Set – 2.

Set – 1		Set – 2	
1.	401.9	a.	Burns classified according to extent of body surface involved
2.	V23	b.	Bilateral fracture of both lower limbs
3.	639	c.	Encounter for radiotherapy
4.	644.21	d.	Early onset of delivery
5.	634	e.	Supervision of high risk pregnancy
6.	V58.0	f.	Hypertension essential unspecified
7.	819	g.	Complications following abortion
8.	828	h.	Spontaneous abortion
9.	946	i.	Bilateral fracture of both upper limbs
10.	948	j.	Burns of multiple specified sites

(1×10 = 10 marks)

