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MANIPAL UNIVERSITY

FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2011

SUBJECT: FOUNDATION OF HEALTH INFORMATION MANAGEMENT

Monday, January 03, 2011

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

Answer all questions:

1. Define the term Health Information System. Write the requirement to be satisfied by HIS as per World Health Organization. Explain briefly on various sources of health information.
(1+3+6 = 10 marks)
2. Discuss on routine data collection methods of health information system.
(10 marks)
3. Discuss on organization model of healthcare services using flowchart.
(10 marks)
4. What are the various organization rule required for the management of health information system? Explain.
(10 marks)
5. Discuss on basic steps involve on design and implementation of health information system.
(10 marks)
6. Write the needs of computerization of community based health information system. Write the advantage and disadvantage of computerization.
(4+3+3 = 10 marks)
7. **Write short notes on:**
 - 7A. Key facets of population based health information system.
 - 7B. Health information system issues.
 - 7C. Health information system performance indicator.
 - 7D. Essential public health functions.

(5×4 = 20 marks)



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MANIPAL UNIVERSITY

FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2011

SUBJECT: FRONT OFFICE MANAGEMENT

Wednesday, January 05, 2011

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

☞ All questions are compulsory.

1. Define Human Resource Management. List the functions of Human resource management Describe briefly the components of HRM.
(5+5+5 = 15 marks)
2. What are the benefits of an HIS? List the important requirements to set up an HIS.
(5+5 = 10 marks)
3. Explain in detail about the planning and designing of public areas in a hospital.
(15 marks)
4. Discuss briefly about the scope of innovative marketing. Explain in detail the functional aspects of innovative marketing.
(5+10 = 15 marks)
5. Write short notes on the following:
 - 5A. Elements of a good pricing structure.
 - 5B. Professional management of hospitals.
 - 5C. Health information communication.
 - 5D. Promotional tools used for public relations.
 - 5E. Public health services in India.

(5×5 = 25 marks)



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MANIPAL UNIVERSITY

FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2011

SUBJECT: INTRODUCTION TO HEALTH INSURANCE

Friday, January 07, 2011

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

1. Answer all the questions:

- 1A. Which are the various conventions used in volume 1 and 2 of ICD-9-CM. Give examples for each.
- 1B. Discuss the trend of health insurance sector in US.
- 1C. Discuss the role of Coders in health insurance claim process.
- 1D. Write the format of cause of death certificate. Which are the rules to be followed for selecting underlying cause of death? Explain with examples.
- 1E. List the chapters of ICD-9-CM and write about various categories of V Codes.

(10×5 = 50 marks)

2. Write short notes on:

- 2A. SNOP
- 2B. IPAs
- 2C. FFS
- 2D. NCHS
- 2E. AOB & EOB
- 2F. E codes

(5×6 = 30 marks)



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MANIPAL UNIVERSITY

FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2011

SUBJECT: COMPUTER APPLICATIONS IN HEALTH

Monday, January 10, 2011

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer all questions.**

1. Define the term hospital information system. Discuss briefly on patient management, medical records and nursing service modules of hospital information system.
(1+9 = 10 marks)
2. What is electronic health record? Discuss briefly on challenges during the implementation of electronic health record.
(1+9 = 10 marks)
3. Define Decision Support System. Draw the general model of decision support system. Write the factor for the acceptance of decision support system.
(1+3+6 = 10 marks)
4. Write the needs of telemedicine in India. Explain briefly on bottlenecks for the growth of telemedicine in India?
(3+7 = 10 marks)
5. Discuss on various input and output devices of computers.
(10 marks)
6. Discuss on various steps involved in design and implementation of hospital information system.
(10 marks)
7. Write short notes on:
 - 7A. First generation computers.
 - 7B. eHealth Applications.
 - 7C. Impact of computers on medical and nursing staff.
 - 7D. Internet.

(5×4 = 20 marks)

