

MANIPAL UNIVERSITY

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

SUBJECT: PUBLIC HEALTH INFORMATION MANAGEMENT

Monday, June 11, 2012

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer all questions.**

1. Define the term health and health information system. Write the requirement to be satisfied by the health information system as per world health organization. Explain briefly the various sources of health information.
(2+2+6 = 10 marks)
2. What is the goal of data processing? Write the steps of data processing. What can be done to improve data processing? Explain.
(1+4+5 = 10 marks)
3. Draw a flowchart to show the organizational model of health services. Write briefly on different levels and management functions.
(3+7 = 10 marks)
4. What are the various resources required to manage the health information system activities. Discuss.
(10 marks)
5. What is health information system assessment? Mention the components and subsystems required to be reviewed during assessment. Explain briefly the basics steps of HIS assessment.
(1+3+6 = 10 marks)
6. Discuss on various steps involved in setting a district health information system.
(10 marks)
7. **Write short notes on:**
 - 7A. Need for the computerization of health information system.
 - 7B. Key facets of population based community health information system.
 - 7C. Horizontal data transmission.
 - 7D. Essential Public Health Functions.

(5×4 = 20 marks)



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

Wednesday, June 13, 2012

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ All questions are compulsory.

1. Discuss in detail the different marketing variables with special emphasis on hospital services.
(10 marks)
2. Discuss in detail the roles and functions of a hospital administrator.
(10 marks)
3. What are the benefits of an HIS? List the important requirements to set up an HIS.
(5+5 = 10 marks)
4. What is Public Relation as per AAPR? Discuss briefly about hospital and news media relations. How to develop an effective media program for the hospital?
(5+5+5 = 15 marks)
5. Discuss in detail the issue of dual authority in hospitals.
(10 marks)
6. **Write short notes on the following:**
 - 6A. Patient's preference for hospitals.
 - 6B. Training and orientation of human resources.
 - 6C. 5 Ps of marketing.
 - 6D. Public health services in India.
 - 6E. Importance of planning public areas of hospital.

(5×5 = 25 marks)



MANIPAL UNIVERSITY**FIFTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2012****SUBJECT: INTRODUCTION TO HEALTH INSURANCE
(COMMON FOR BOTH OLD AND NEW REGULATION)**

Friday, June 15, 2012

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

Answer all the questions.

1. Which are the 2 major types of health insurance coverage? Detail the advantages and disadvantages of both.
2. What is classification of diseases? Write the early history of classification and adoption of list of causes of death.
3. What are standard 'Code Sets', brief about each code sets.
4. List out the chapters of ICD-9-CM. Write the coding guidelines for coding retroviral disease.
5. Write the ICD-9-CM coding guidelines for the selection of principal diagnoses for inpatient, short-term, acute care hospital records.

(10×5 = 50 marks)

6. Write short notes on:

- 6A. Premium & deductibles
- 6B. Formulary & exclusions
- 6C. William Farr
- 6D. Staff & IPA model HMO
- 6E. Morphology codes
- 6F. Dagger and asterisk

(5×6 = 30 marks)



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

Monday, June 18, 2012

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ Answer ALL questions.

1. Trace the development of computer during fourth and fifth generation.
(10 marks)
2. What is internet? Write the advantage of it. Trace the evolution of internet in India.
(1+4+5 = 10 marks)
3. Write the objectives of hospital information system. Explain briefly on laboratory, pharmacy, inventory and radiology module of hospital information system.
(1+9 = 10 marks)
4. What is electronic health record? Write the purpose, component and key capability of electronic health record.
(1+9 = 10 marks)
5. Discuss briefly on needs and factors for the acceptance of decision support system in a healthcare facility.
(10 marks)
6. Discuss briefly on various strategies for the successful implementation*of eHealth services.
(10 marks)
7. **Write short notes on:**
 - 7A. Impact of computers on hospitals.
 - 7B. Networking.
 - 7C. Input devices of computers.
 - 7D. Needs of telemedicine in India.

(5×4 = 20 marks)

