

Reg. No.

# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## SIXTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2006

### SUBJECT: FOUNDATIONS OF HEALTH INFORMATION MANAGEMENT

Wednesday, June 21, 2006

Time: 3 Hours

Max. Marks: 80

**All questions are compulsory**

1. Define health information management. Briefly describe the issues encountered in health information system.  
(1+9 = 10 marks)
2. What is health information system assessment? Briefly explain the common subsystems proposed by WHO for health information system assessment.  
(1+7 = 8 marks)
3. Briefly explain the steps involved in the development of information generating process and use of information.  
(12 marks)
4. Brief the health system management functions at each level of decentralize health service system.  
(9 marks)
5. What is non routine data collection method? Brief the types of non routine data collection methods with suitable example.  
(1+10 = 11 marks)
6. Write short notes:  
(5×6 = 30 marks)
  - 6A. Vertical data transmission at each level.
  - 6B. Component of health information system.
  - 6C. Objectives of health information system.
  - 6D. Health information system indicator.
  - 6E. Essential public health function.
  - 6F. Rapid assessment procedure.



**MANIPAL ACADEMY OF HIGHER EDUCATION**

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**SIXTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2006****SUBJECT: APPLIED MEDICAL TRANSCRIPTION**

Thursday, June 22, 2006

Time: 3 Hours

Max. Marks: 80

**All questions are compulsory.**

1. Define medical transcription. What makes developed countries like USA to look at India as an ideal ground for outsourcing?  
(2+8 = 10 marks)
2. What is voice recognition technology? Will speech recognition technology affect the future of medical transcription?  
(5+5 = 10 marks)
3. Why are reference materials and books indispensable resources for the Medical Transcriptionist? Write in detail about any five reference books used by the MTs.  
(10 marks)
4. Write short notes on the following:  
(5×2 = 10 marks)
  - 4A. Flagging.
  - 4B. History and Physical Examination report.
5. **Proofreading:**  
(15 marks)

Read the following emergency department note and look for errors in punctuation, word use, capitalization, spelling and abbreviations. Then write the report with all errors corrected.

**Emergency Department Note**

DOB : 3.29.56

ADMISSION DIAGNOSIS: LOC, drug OD.

HPI: The patient is a 40 y.o. female who was found blue in the face and unconscious by family this a.m. This occurred approximately 10 to 15 minutes after she had injected a line of heroine IV. Reportedly her son started CPR and she gasped for breath. Fire department arrived and administered Narcan.

The patient now complains of headache. She reported that she has not used heroine for several months. The family reports that she does heroine 4-5 x/week.

PMH: Seizure disorder, epilepsy since childhood. IV.DA×10 yrs.

MEDICATIONS: Percocet for migraine HAs, Dilantin and Phenobarbital.

ALLERGIES : NKDA

PHYSICAL EXAMINATION: A WDOWN Caucasian female in NAD, awake, alert, oriented. HEENT: PERRLA; EOMI. Speech clear, respirations unlabored. Lungs clear to P & A. Heart: RRR. She follows instructions appropriately and moves all extremities. DTRs are symmetric.

ER COURSE: The patient was examined as above. She will be observed for another hour; and if she maintains her present level of consciousness, plan to DC to home with appropriate instructions.

ASSESSMENT: Heroin overdose.

PLAN: The patient is to be referred to the mental health unit for addiction counseling. She should continue with her Dilantin and phenobarb and follow-up with her family M.D.

6. Fill in the blanks with the correct word from the choices given (write just the answer in your answer sheet)

( $\frac{1}{2} \times 10 = 5$  marks)

- 6A. Obtaining a culture and sensitivity of the urine \_\_\_\_ (preceded/proceeded) the start of antibiotic treatment.
- 6B. The patients' symptoms were brought to the \_\_\_\_ (for/fore/four) upon careful questioning during the history and physical.
- 6C. An \_\_\_\_ (incision/excision) was made into the subcutaneous tissue.
- 6D. The patient was alert and \_\_\_\_ (conscious/conscience) at the time of my examination.
- 6E. Sterilization was \_\_\_\_ (effected/affected) using Hibiclens followed by an alcoholic wash of the area.
- 6F. The patient is \_\_\_\_ (states/status) post hysterectomy.
- 6G. We will refer the patient to the dermatologist regarding his \_\_\_\_ (psoriasis/cirrhosis).
- 6H. On examination of the \_\_\_\_ (perineum/peritoneum), the patient's episiotomy is well healed.
- 6I. There was a large lesion in the \_\_\_\_ (oral/aural) cavity on the buccal mucosa.
- 6J. We will have her complete her full \_\_\_\_ (coarse/course) of antibiotics.

7. Write the expanded forms for the following:

( $\frac{1}{2} \times 10 = 5$  marks)

- i) SOAP    ii) CVS    iii) COPD    iv) SOB    v) PND  
vi) PMI    vii) CNS    viii) CHF    ix) FSH    x) TAH

8. Write one correct plural form of each of the following words:

( $\frac{1}{2} \times 10 = 5$  marks)

- i) biopsy    ii) ovary    iii) adenexa    iv) bruit    v) cervix  
vi) humerus    vii) appendix    viii) axilla    ix) larynx    x) femur

9. Write a detailed note on Transcription Ergonomics.

(10 marks)



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# MANIPAL ACADEMY OF HIGHER EDUCATION

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**SIXTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2006**

**SUBJECT: COMPUTER APPLICATION IN HEALTH**

Friday, June 23, 2006

Time: 3 Hours

Max. Marks: 80

**All questions are compulsory.**

1. Answer the following questions:
  - 1A. List the major events in the evolution of 4<sup>th</sup> generation computers.
  - 1B. Write briefly about computers and its advances in information system.
  - 1C. Which are the potential problems of computers on organization?
  - 1D. Write about various output devices of computer.
  - 1E. Write in detail about data processing activity.

(10×5 = 50 marks)

2. Write short notes on the following:
  - 2A. Medical Record Index Module.
  - 2B. EMR format for history – Diseases of the Eye.
  - 2C. IP record flow chart.
  - 2D. John Napier.
  - 2E. Computers and threat of unemployment.
  - 2F. EMR SOAP format.

(5×6 = 30 marks)

