

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SIXTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2005**SUBJECT: FOUNDATIONS OF HEALTH INFORMATION MANAGEMENT**

Wednesday, June 15, 2005

Time: 3 Hours

Max. Marks: 80

All questions are compulsory

1. Define health information system. Brief the steps involved in the assessment of health information system.
(1+10 = 11 marks)
2. Brief the utilization of health information at provincial and national level.
(10 marks)
3. What is vertical data transmission? Write the characteristics of vertical data transmission.
(1+7 = 8 marks)
4. Briefly outline the staff position, duties and responsibility of HIS staff at primary, district and national level.
(9 marks)
5. Briefly explain the steps involved in design and implementation of health information system.
(12 marks)
6. Write short notes:
 - 6A. Objective of health information system.
 - 6B. HIS issues.
 - 6C. Essential public health function.
 - 6D. Non routine data collection method.
 - 6E. Component of health information system.
 - 6F. Health information system indicator.

(5×6 = 30 marks)



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SIXTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2005**SUBJECT: APPLIED MEDICAL TRANSCRIPTION**

Thursday, June 16, 2005

Time: 3 Hours

Max. Marks: 80

☞ **All questions are compulsory.**

1. What is Medical transcription? Write the steps involved in transcription. (5+5=10 marks)
2. Define productivity. Why is productivity measured? What are the methods of measuring productivity? (2+2+6=10 marks)
3. What is Transcription? How did it originate to its present form? (10 marks)
4. Write short notes on:
 - 4A. Physical Examination.
 - 4B. Proofreading and editing.
 - 4C. Patient health record
 (5×3 = 15 marks)
5. **Proofreading:**
 Read the following report section and look for errors in punctuation, spelling, plural forms, subject-verb agreement, complete sentences, and the placement of modifiers. Rewrite the report with errors corrected.
 Bilateral mammograms were preformed using film scream technique and compared to previous xeromammograms from June 1992 and February 1993. There appears to be a small and smoothly marginated oval shaped nodular in the upper quadrant of the right breast. Not as clearly visualized on the previous xeromammograms.
 Increased density is again seen in the upper outer quadrants bilaterally, unchanged and consistent with fibroglandular tissue. Neither breasts demonstrates evidence of architectural distortion, clustered microcalcifications, skin thickening or retraction.
 The patient was placed on the operating table in the supine position under satisfactory general endotracheal anesthetics. A # 14 foley catheter was inserted. The abdomen was then prepped with betadine scrub and solution and was drapped in the usual sterile manner. (10 marks)

6. Write true/false

- 6A. Computer technology should be of concern to medical transcriptionist.
- 6B. Wiggling and fidgeting are important in that they help relieve stress on the back, shoulders, hands and wrists.
- 6C. Those who speak English as a second language often confuse the parts of speech.
- 6D. A medical transcriptionist must have the same level of medical vocabulary as the physician.
- 6E. Confidentiality issues are of concern to medical transcriptionist.
- 6F. Medical transcription is a local industry.
- 6G. The history and physical examination forms the basis for several other documents.
- 6H. Quantity should supersede quality.
- 6I. New and unfamiliar terms should always be checked.
- 6J. It is necessary for the transcriptionist to differentiate between soundlike terms.

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

7. Fill in the blanks with correct choice.

- 7A. The patient discussed her fears with her physician, _____ (who's/whose) advice was to contact a support group.
- 7B. Obtaining a culture and sensitivity of the urine _____ (preceded/proceeded) the start of antibiotic treatment.
- 7C. The patient had a tendency to _____ (dose/doze) when visiting friends and had a history of sleep apnea, so she was advised to make an appointment with the sleep study clinic.
- 7D. The patient stated that she could not _____ (breathe/breath) through her nostril.
- 7E. The patients' symptoms were brought to the _____ (for/fore/four) upon careful questioning during the history and physical.
- 7F. At discharge, the physicians recommended nursing home placement, but the family said _____ (they/their/they're) willing to provide care to the patient.
- 7G. An _____ (incision/excision) was made into the subcutaneous tissue.
- 7H. The patient was alert and _____ (conscious/conscience) at the time of my examination.
- 7I. Sterilization was _____ (effected/affected) using Hibiclens followed by an alcoholic was of the area.
- 7J. The patient is _____ (states/status) post hysterectomy.

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

8. Write the expanded forms for the following:

- a) T & A b) URI c) COPD d) SOB e) PND
- f) PMI g) VSD h) CHF i) FSH j) TAH

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

9. Who is a Medical Transcription Supervisor? What are the key areas of proficiency necessary for a MT supervisor?

(10 marks)



Reg. No.

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SIXTH SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2005

SUBJECT: COMPUTER APPLICATION IN HEALTH

Friday, June 17, 2005

Time: 3 Hours

Max. Marks: 80

All questions are compulsory.

- 1A. Write briefly about 2nd generation computers.
- 1B. Draw a neat diagram and show the general organization of computers.
- 1C. What is HELP system? Explain.
- 1D. Write about various output devices of computer.
- 1E. Write in detail about Learning Process of CAI.

(10+10+(2+8)+10+10 = 50 marks)

2. Write short notes on the following:
 - 2A. Random Access Memory.
 - 2B. Surgery Scheduling Module.
 - 2C. EMR format for history of Endocrine disease.
 - 2D. Diet planning Module of hospital information system.
 - 2E. Process of decision making by physicians.
 - 2F. Flow chart of IP record.

(5×6 = 30 marks)

