MANIPAL UNIVERSITY

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

SUBJECT: PATHOLOGY

Monday, January 03, 2011

Time: 10:00 – 11:30 Hrs.   Maximum Marks: 40

1. Define shock. What are the various types of shock? Describe the pathogenesis of septic shock.

(1+2+5 = 8 marks)

2. Define necrosis. Describe the different types of necrosis with examples.

(1+6 = 7 marks)

3. Write short notes on:

3A. Phagocytosis.

3B. Aetiology, clinical features and laboratory diagnosis of iron deficiency anemia.

3C. AIDS.

3D. Embolism.

3E. Hemophilia.

(5×5 = 25 marks)

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

SUBJECT: HEALTH INFORMATION – II

Wednesday, January 05, 2011

Time: 10:00 – 13:00 Hrs.   Maximum Marks: 80

✎   **All questions are compulsory.**

1.   What is organizing? Write the various span of management mentioning its advantage and disadvantage. Explain briefly about the various functions MRD in respect to inpatient services.

(1+4+10 = 15 marks)

2.   Discuss briefly about the various functions of medical records administrator as per AHIMA.

(15 marks)

3.   Write the importance of inter department relationship. Discuss briefly about the relationship of medical records department with CEO office, Emergency department, Pharmacy.

(3+12 = 15 marks)

4.   Define the following terms:

4A.   Hospital inborn inpatient

4B.   Hospital fetal death

4C.   Hospital maternal death rate

4D.   Infection rate

4E.   Inpatient bed occupancy ratio

4F.   Average length of stay

4G.   Fetal death rate

(2+2+2+2+2+2+3 = 15 marks)

5.   Write short notes on:

5A.   Traits of leadership.

5B.   Mintzberg's managerial roles.

5C.   SNOMED.

5D.   Shriner's hospital classification.

(5×4 = 20 marks)

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1. What is Qualitative Analysis? Explain in detail about each components of qualitative analysis in Medical Record documentation.

    (3+12 = 15 marks)

2. Explain the ten steps in monitoring and evaluation process in quality assessment with the help of a suitable case as an example.

    (15 marks)

3. What is total quality management? Discuss about the evolution towards total quality management.

    (2+8 = 10 marks)

4. Calculate the Net death rate and Gross death rate for each month and for the whole period using the following data of a tertiary care hospital.

Period	Total number of discharges excluding death	Number deaths within 48 hours of admission	Number of deaths after 48 hours of admission
January	867	06	04
February	744	02	05
March	912	07	02
April	910	04	03
May	898	05	01

    (12 marks)

5. **Write Short Notes on:**

5A. Infant Mortality Rate.
5B. Bed turn over Rate.
5C. Bench Marking.
5D. Discrete data.
5E. In-efficient Scheduling.

    (2×5 = 10 marks)

6. **Answer the following:**

6A. Briefly discuss about medical audit process and role of HIM professionals in medical audit.
6B. Write down in detail about PDCA cycle.
6C. Give a brief account about NABH standards.

    (6×3 = 18 marks)

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

SUBJECT: MEDICAL TERMINOLOGY – I

Monday, January 10, 2011

Time: 10:00 – 13:00 Hrs.   Maximum Marks: 80

1.   Write down the correct meaning of the following prefixes and explain it with an example term:

1A.   Bin
1B.   Sym
1C.   Hypo
1D.   En
1E.   Crypto
1F.   Mal
1G.   Trans
1H.   levo
1I.   Opsitho
1J.   Sesqui

(1×10 = 10 marks)

2.   Write down the correct meaning of the following suffixes and explain it with an example term:

2A.   –eal
2B.   –osis
2C.   –oma
2D.   –ary
2E.   -ist
2F.   –agra
2G.   -igo
2H.   –oid
2I.   –pepsia
2J.   -scopy

(1×10 = 10 marks)

3.   Write down the correct meaning of the following root words and explain it with an example term:

3A.   Copros
3B.   Pneum
3C.   Hidr
3D.   Laparo
3E.   Pilo
3F.   Stoma
3G.   gone
3H.   Lepsis
3I.   Thel
3J.   pectus

(1×10 = 10 marks)

4. Write down the correct meaning of the following medical terms:

4A. Embolism
4B. Coryza
4C. Enteritis
4D. Cardiovalvulopalsty
4E. Venoanastomosis
4F. Spondylosis
4G. Podiatrist
4H. Desmopexy
4I. Diverticulitis
4J. Contraindication

(1×10 = 10 marks)

5. Write down the correct medical term for the following explanation:

5A. protrusion of a part of spinal cord
5B. backward bending of spine forming a hump
5C. vomiting during pregnancy
5D. Surgical fixation or immobilization of a joint.
5E. wiring of a bone.
5F. false tumour.
5G. abnormally enlarged lips
5H. study of structure of the body
5I. difficulty in producing voice
5J. Termination of bleeding

(1×10 = 10 marks)

6. Briefly explain about the following:

6A. Osteoporosis
6B. Atelectasis
6C. Ozena
6D. Ameobiasis
6E. Colon polyps

(2×5 = 10 marks)

7. Answer the following:

7A. What do you understand by medical terminology? What are the different parts of a medical term? Explain with examples.
7B. Construct five medical terms using the term"Pneum(o)".
7C. Write a short note on Dumping syndrome.
7D. Identify any five stem words related to the musculoskeletal system and explain it with the help of examples.

(5×4 = 20 marks)

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