MANIPAL UNIVERSITY

THIRD SEMESTER BACHELOR OF OPTOMETRY/CLINICAL OPTOMETRY/ B.Sc. H.I.A./B.Sc. MIT DEGREE EXAMINATION – JANUARY 2016

SUBJECT: – PATHOLOGY

(COMMON FOR BOP 209:GS – 2012 BATCH/BHI 201:CBS – 2011 & 2013 SCHEME/MIT 203)

Saturday, January 02, 2016

Time: 10:00-11:30 Hrs.   Max. Marks: 40

✍   Answer ALL questions.

1.   Explain the process of healing by secondary intention. What are the factors affecting wound healing?

(4+4 = 8 marks)

2.   Describe the clinical features, aetiology and basic investigations of nutritional anemias.

(2+2+3 = 7 marks)

3.   **Write short notes on:**

3A. Types of necrosis with examples

3B. Primary pulmonary tuberculosis

3C. Embolism

3D. Mode of spread and prognosis of tumours

3E. Renal edema

(5 marks × 5 = 25 marks)

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THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2016

SUBJECT: BHI 203 – MANAGEMENT OF HEALTH INFORMATION SYSTEM
(CBS – 2013 & 2014 SCHEME)

Tuesday, January 05, 2016

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL questions.**

1. Write the importance of planning. Briefly discuss the steps involved in planning a medical records department.

    (4+8 = 12 marks)

2. What are the day to day functions performed by medical records personnel? Discuss with suitable example.

    (12 marks)

3. What is a medico-legal case? Briefly enumerate the procedure for receiving and registering a MLC. Write the importance of medical records in court of law.

    (1+3+3+5 = 12 marks)

4. "Better inter-department relationship of medical records department improves the overall management of patient data." Discuss with suitable example.

    (12 marks)

5. Define the following terms with appropriate formulas:

5A. Net death rate
5B. Fetal death rate
5C. Infection rate
5D. Hospital live birth
5E. Anesthesia death rate
5F. Net autopsy rate

    (2 marks × 6 = 12 marks)

6. Write short notes on:

6A. Traits of leadership
6B. Mintzberg's managerial roles
6C. CMIT and CPT
6D. SNOMED

    (5 marks × 4 = 20 marks)

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THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2016
SUBJECT: BHI 205 – QUALITY ASSURANCE IN HEALTH AND HOSPITAL STATISTICS
(CBS – 2011, 2013 & 2014 SCHEME)

Thursday, January 07, 2016

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

✍ **Answer ALL questions.**

1. Write down in detail about Hospital Infection Control (HIC) process. Briefly explain about the importance of HIC process in a QA program.

(10+5 = 15 marks)

2. What is risk management? Discuss in detail about the importance and applications of risk management in a QA program of the hospital.

(2+10 = 12 marks)

3. Explain in detail about the importance of statistical analysis in a QA program.

(10 marks)

4. Calculate complication rate, Nosocomial infection rate, Postoperative Infection rate, Community acquired infection rate, total infection rate and co-morbidity rate for each month and for whole period using the following data:

Period	Total No of Discharges	Total No of complications	Total No of post operative infections	Total No of Surgical operations performed	Infections occurred > 72 hours after admission	Infections occurred < 72 hours of admission	Total No of co-morbidities
May	220	20	09	103	06	11	62
June	298	12	01	116	08	07	78
July	301	15	07	151	04	10	89
August	278	11	05	109	03	10	77

(15 marks)

5. **Write short notes on:**

5A. Incident reporting
5B. SMART
5C. Quality objectives
5D. Pie-chart
5E. Net death rate

(2 marks × 5 = 10 marks)

6. **Answer the following:**

6A. Discuss about the Quality Management principle – Process approach.
6B. Briefly explain about Medical Audit cycle.
6C. Discuss about 'Six step method' in quality improvement process.

(6 marks × 3 = 18 marks)

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THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2016

SUBJECT: BHI 207 – MEDICAL LANGUAGE – I
(CBS - 2013 SCHEME)

Saturday, January 09, 2016

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

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

    a) Cryo   b) Em   c) Dis   d) Ana   e) Erythro
    f) Hecto   g) Lact   h) Dexto   i) Kin   j) Proto

                                                    (1 mark × 10 = 10 marks)

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

    a) cyte   b) – gram   c) -mania   d) –stalsis e) -phyma
    f) –er   g) -itis   h) –plasia i) -rrhexis j) –phillia

                                                    (1 mark × 10 = 10 marks)

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

    a) Pylorus   b) Balano   c) Steato   d) Thel   e) Aden
    f) Pectus   g) Ulna   h) Disk   i) cutis   j) osteo

                                                    (1 mark × 10 = 10 marks)

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

    a) Uniaxial   b) Arthocentesis   c) Heamatocrit   d) Enureis
    e) Hyperemesis   f) Orchidopexy   g) Perstalsis   h) Exteriorization
    i) Sphincter   j) Pandemic

                                                    (1 mark × 10 = 10 marks)

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

5A. Plastic repair of the cleft palate
5B. Stiffness of a joint
5C. Sudden onset of illness
5D. Artificial opening into a lymphatic vessel
5E. Surgical communication between the veins
5F. An instrument used to measure pupil of the eye

5G. Osteochondrosis of the head of the femur in children

5H. A condition of having bad breath

5I. Tumor of the blood vessels

5J. Pertaining to the ileum and femur

<div align="right">(1 mark × 10 = 10 marks)</div>

6. **Briefly explain about the following:**

6A. Synovitis

6B. Cryptorchidism

6C. Syndrome

6D. Sphincter

6E. Rhinitis

<div align="right">(2 marks × 5 = 10 marks)</div>

7. **Answer the following:**

7A. Distinguish between lordosis and scoliosis.

7B. Construct five medical terms using the term "hernia".

7C. What do you mean by hepatitis? Briefly explain the different types of hepatitis.

7D. Identify any five stem words related to the special senses and explain it with the help of examples.

<div align="right">(5 marks × 4 = 20 marks)</div>

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