MANIPAL UNIVERSITY

THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2012
SUBJECT: PATHOLOGY

Monday, January 02, 2012

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

✎   **All questions are compulsory:**

1.   Define inflammation. Describe the cellular events in acute inflammation.

(2+6 = 8 marks)

2.   Define oedema. Describe the pathogenesis of renal and cardiac edema.

(1+3+3 = 7 marks)

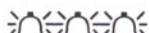3.   **Write short notes on:**

3A.   Nutritional anemia

3B.   Leprosy

3C.   Types of embolism with examples

3D.   Atrophy and hypertrophy with examples

3E.   Spread of tumors

(5×5 = 25 marks)

MANIPAL UNIVERSITY

THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2012

SUBJECT: HEALTH INFORMATION – II

Wednesday, January 04, 2012

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

✍ **All questions are compulsory.**

1.   What is medical records department? Discuss the various functions of medical records department in respect to outpatient, inpatient, accident and emergency.

(1+14 = 15 marks)

2.   Write the importance of planning. Discuss the basic steps involved in planning with suitable example.

(5+10 = 15 marks)

3.   Discuss the inter-department relationship of medical records department with medical staff, purchasing, personnel, dietary, and maintenance and engineering.

(15 marks)

4.   **Define the following terms:**

4A.   Hospital adult and child beds

4B.   Average daily census

4C.   Gross death rate

4D.   Net autopsy rate

4E.   Hospital maternal death rate

4F.   Intermediate fetal death rate

4G.   Percentage of occupancy

4H.   Hospital Inpatient Census

(2+2+2+2+2+2+2+1 = 15 marks)

5.   **Write short notes on:**

5A.   Process of Organizing

5B.   Leadership behavior

5C.   SNOMED

5D.   ICD-oncology

(5×4 = 20 marks)

MANIPAL UNIVERSITY

THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2012

SUBJECT: QUALITY ASSURANCE IN HEALTH AND HOSPITAL STATISTICS

Friday, January 06, 2012

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

1. How risk management and utilization review process will help to assure quality in various services rendered by the hospital?

(13 marks)

2. Write down in detail about characteristics, purpose, components and result of quantitative analysis.

(12 marks)

3. Discuss in detail about eight elements for successful implementation of Total Quality Management (TQM).

(15 marks)

4. Calculate early fetal death rate, intermediate fetal death rate and late fetal death rate with the help of following data:

Month	Total births	Fetal death less than 20 weeks gestation	Fetal death between 21 and 28 weeks of gestation	Fetal death above 28 weeks of gestation
February	168	8	6	3
March	172	7	9	1
April	190	6	4	2
May	128	5	4	4

(12 marks)

5. **Write short notes on:**

5A. Inpatient service days
5B. Inpatient bed occupancy rate
5C. Customer focused organization
5D. Privilege delineation
5E. Morbidity rate

(2×5 = 10 marks)

6. **Answer the following:**

6A. Briefly explain about four levels in the evolution of quality management.
6B. Explain about review for entry consistency in qualitative analysis.
6C. Give an account on types of data display.

(6×3 = 18 marks)

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MANIPAL UNIVERSITY

THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2012
SUBJECT: MEDICAL TERMINOLOGY – I

Monday, January 09, 2012

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.   Histo
1B.   Ultra
1C.   Acu
1D.   Cata
1E.   Em
1F.   Neo
1G.   Alb
1H.   Gluc
1I.   Nyct
1J.   Idio

(1×10 = 10 marks)

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

2A.   -cle
2B.   -iasis
2C.   -ectasia
2D.   -parous
2E.   -pnea
2F.   -stasis
2G.   -trophy
2H.   -uria
2I.   -ize
2J.   - ium

(1×10 = 10 marks)

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

3A.   Onych
3B.   Metro
3C.   Aden
3D.   Pectus
3E.   Humer
3F.   Caud
3G.   Desmo
3H.   Arthron
3I.   Disk
3J.   Sudor

(1×10 = 10 marks)

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

4A. Episiotomy

4B. Pallor

4C. Corometer

4D. Kyphosis

4E. Apnea

4F. Pleuroparietopexy

4G. Cirrhosis

4H. Chlorhydria

4I. Embolism

4J. kinesis

(1×10 = 10 marks)

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

5A. Lack of normal opening

5B. A fold in the lining of an organ that prevents fluid from flowing back

5C. Deposition of fat in the arteries

5D. Inflammation of the small intestine

5E. Incision into the uterus and the muscles attached to it

5F. Production of cartilages

5G. Surgical puncture of heart

5H. Malignant tumor of smooth muscles

5I. Swelling of breast due to accumulation of milk

5J. Female homologue of penis

(1×10 = 10 marks)

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

6A. Emphysema

6B. Gastroenteritis

6C. Proctalgia fugax

6D. Cystic fibrosis

6E. Amputation

(2×5 = 10 marks)

7. **Answer the following:**

7A. What are occupational respiratory disorders? Briefly explain five of them.

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

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

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

(5×4 = 20 marks)