

Reg. No.

# MANIPAL UNIVERSITY

THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2010

SUBJECT: PATHOLOGY

Monday, January 04, 2010

Time: 10:00 – 11:30 Hrs.

Maximum Marks: 40

✍ All questions are compulsory.

1. Define edema. Describe the pathogenesis of renal and cardiac edema.  
(1+3½+3½ = 8 marks)
  
2. Define leukemia. Give the FAB classification of leukemia. Write the clinical features of leukemia.  
(1+3+3 = 7 marks)
  
3. Write short notes on:
  - 3A. Fate of thrombus.
  - 3B. Causes and spread of tumours.
  - 3C. Aetiology, mode of infection and clinical features of AIDS.
  - 3D. Hemophilia.
  - 3E. Phagocytosis.(5×5 = 25 marks)



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THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2010

SUBJECT: HEALTH INFORMATION – II

Tuesday, January 05, 2010

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

☞ All questions are compulsory.

1. Define leader and leadership. What are the various leadership styles? Explain briefly about the leadership behavior.  
(15 marks)
2. Define medical records and medical records department. Write the goal of maintaining medical records. Discuss briefly about the day to day functions of medical records personnel.  
(2+1+12 = 15 marks)
3. Write the importance of inter-department relationship. Discuss briefly about the relationship of medical records department with Governing body, CEO office, Medical illustration department and admitting department.  
(3+12 = 15 marks)
4. Define the following terms:
  - 4A. Average daily census.
  - 4B. Rate and Percentage.
  - 4C. Net death rate.
  - 4D. Fetal death rate.
  - 4E. Average length of stay.
  - 4F. Anesthesia death rate.
  - 4G. Hospital outpatient and inpatient.  
(2+2+2+3+2+2+2 = 15 marks)
5. Write short notes on:
  - 5A. CMIT.
  - 5B. ICD-Oncology.
  - 5C. Process of organizing.
  - 5D. Common methods for establishing procedure.  
(5×4 = 20 marks)



# MANIPAL UNIVERSITY

## THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2010

### SUBJECT: QUALITY ASSURANCE IN HEALTH AND HOSPITAL STATISTICS

Wednesday, January 06, 2010

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL questions:**

1. Give a brief account about Quality assurance concepts and write down in detail about various roles of medical record professional in Quality assurance program in a hospital. (13 marks)
2. Explain in detail about medical audit and importance of Medical records in medical audit. (12 marks)
3. Write in detail about evolution and principles of quality management. (12 marks)
4. With the help of given data Calculate Net death rate and Gross death rate for each month and Total net death rate and gross death rate for entire period.

Month	Total no. of admissions	Total no. of discharges including death	Total death	Death <48 hours
January	150	78	21	10
February	175	85	18	9
March	225	105	22	11
April	210	110	19	7
May	208	98	17	5

(15 marks)

**5. Write short notes on:**

- 5A. Still born rate.
- 5B. Proportions.
- 5C. Discharge days.
- 5D. Pie chart.
- 5E. Quality objective.

(2×5 = 10 marks)

**6. Answer the following:**

- 6A. Define quantitative analysis and write down its purpose as well as enumerate the components of quantitative analysis.
- 6B. What are the different types of data? Explain each one with suitable example.
- 6C. Briefly explain on quality improvement models and methods.

(6×3 = 18 marks)



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## MANIPAL UNIVERSITY

THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2010

SUBJECT: MEDICAL TERMINOLOGY – I

Thursday, January 07, 2010

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

1. Write down the correct meaning of the following Prefixes with an example term:

- 1A. Dys
- 1B. Hom
- 1C. Dipso
- 1D. Brady
- 1E. Ultra
- 1F. Meso
- 1G. Hypo
- 1H. Nulli
- 1I. Cirrh
- 1J. Xero

(1½×10 = 15 marks)

2. Write down the correct meaning of the following Suffixes with an example term:

- 2A. -ago
- 2B. -emia
- 2C. -plasty
- 2D. -ices
- 2E. -cele
- 2F. -dynea
- 2G. -clysis
- 2H. -desis
- 2I. -phyma
- 2J. -philia

(1½×10 = 15 marks)

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

- 3A. Menorrhagia
- 3B. Metaplasia
- 3C. Atrophy
- 3D. Balanitis
- 3E. Ileojejunostomy
- 3F. Continence

- 3G. Amphicrania
- 3H. Osteomyelitis
- 3I. Gastrorrhexis
- 3J. Tricuspid

(1×10 = 10 marks)

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

- 4A. Thickening of nails.
- 4B. Making an opening into the lymphatic duct.
- 4C. A turning inward of eyelash.
- 4D. Local death of soft tissue due to loss of blood supply.
- 4E. Pain in the nipple region.
- 4F. Puncture of pericardium.
- 4G. Partial paralysis of body.
- 4H. Localized excessive sweating.
- 4I. Sugar containing seven carbon atoms.
- 4J. Excess secretion by the thyroid gland.

(1×10 = 10 marks)

5. Briefly explain about:

- 5A. Byssinosis
- 5B. Diverticulitis
- 5C. Dumping syndrome
- 5D. Induration
- 5E. Volvulus

(2×5 = 10 marks)

6. Answer the following:

- 6A. Difference between coryza and ozena.
- 6B. Define suffixes. What are the different types of suffixes?
- 6C. Write a short note on Hepatitis.
- 6D. Mention any five surgical procedures come under the category of surgical repair.

(5×4 = 20 marks)

