

MANIPAL UNIVERSITY

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

SUBJECT: PATHOLOGY

Monday, June 11, 2012

Time: 10:00 – 11:30 Hrs.

Maximum Marks: 40

☞ All questions are compulsory.

1. Define anemia. Give the classification of anemia. Describe the clinical features and basic investigations of iron deficiency anemia.

(1+3+4 = 8 marks)

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

(1+6 = 7 marks)

3. Write short notes on:

3A. Embolism.

3B. Modes of spread and prognosis of tumours.

3C. Hemophilia.

3D. Atrophy and hypertrophy.

3E. Primary tuberculosis.

(5×5 = 25 marks)



MANIPAL UNIVERSITY**THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2012****SUBJECT: HEALTH INFORMATION – II**

Wednesday, June 13, 2012

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

Answer ALL questions.

1. Define Planning. Discuss on various steps involved in planning of medical records department.
(1+11 = 12 marks)
2. Define medical records department. Discuss briefly on day to day functions of medical records professionals.
(1+11 = 12 marks)
3. What is a medico-legal case? What are the various uses of medical records in court of law? Explain.
(1+11 = 12 marks)
4. Discuss briefly on inter-department relationship of MRD with CEO, Medical Staff, Nursing Services and Pharmacy.
(12 marks)
5. Define the following terms with appropriate formulas:
 - 5A. Net death rate
 - 5B. Anesthesia death rate
 - 5C. Total length of stay
 - 5D. Hospital maternal death rate
 - 5E. Hospital Infection rate
 - 5F. Hospital neonatal death rate(2×6 = 12 marks)
6. **Write short notes on:**
 - 6A. ICD-10
 - 6B. CMIT
 - 6C. Confidentiality of health information
 - 6D. Delegation of authority(5×4 = 20 marks)



MANIPAL UNIVERSITY**THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2012****SUBJECT: QUALITY ASSURANCE IN HEALTH AND HOSPITAL STATISTICS**

Friday, June 15, 2012

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

1. Define quality management principles. Write down in detail about key features of all eight quality management principles.
(2+13 = 15 marks)
2. What are the components of quality assessment in a quality assurance program? Explain each component in detail.
(2+10 = 12 marks)
3. Why a quality assurance program is important in a health care setup? What are the essential and mutually reinforcing components of a quality assurance program? Discuss in detail about important quality improvement methods and models in a Quality Assurance program.
(3+3+9 = 15 marks)
4. A 1000-bed health care facility, during the month of November 2010, had a total of 6280 discharges (including deaths), a total of 18,786 census days, and a total of 19,987 discharge days. Calculate the Inpatient bed occupancy rate, Average daily inpatient census, Average length of stay and Bed turnover rate (both direct and indirect methods) for the month of November 2010.
(10 marks)
5. **Write Short notes on:**
 - 5A. Nominal data
 - 5B. Problem solving teams.
 - 5C. Net autopsy rate.
 - 5D. Neo natal death rate.
 - 5E. Medical Audit
(2×5=10 marks)
6. **Answer the following:**
 - 6A. Write down briefly about the components of Qualitative medical record documentation analysis?
 - 6B. Write down the objectives and procedures of Hazard Surveillance program.
 - 6C. Data can be displayed in different ways, explain briefly about any three types of data display.
(6×3 = 18 marks)



MANIPAL UNIVERSITY**THIRD SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2012****SUBJECT: MEDICAL TERMINOLOGY – I**

Monday, June 18, 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. Eti
- 1B. Proto
- 1C. Lord
- 1D. Alb
- 1E. Megal
- 1F. Mal
- 1G. Cryo
- 1H. Pyr
- 1I. Post
- 1J. Bi

(1×10 = 10 marks)

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

- 2A. -cle
- 2B. -ase
- 2C. -atresia
- 2D. -cyte
- 2E. -phillia
- 2F. -oxia
- 2G. -emia
- 2H. -rrhexis
- 2I. -ium
- 2J. -ible

(1×10 = 10 marks)

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

- 3A. Metra
- 3B. Phleb
- 3C. Pod
- 3D. Adipo
- 3E. Glossa
- 3F. Odont
- 3G. Pectus
- 3H. Laparo
- 3I. Cutis
- 3J. Core

(1×10 = 10 marks)

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

- 4A. Cheirospasm
- 4B. Podiarist
- 4C. Urolith
- 4D. Salpingocele
- 4E. Tingling
- 4F. Gangrene
- 4G. Oliguria
- 4H. Anosmia
- 4I. Hyperemesis
- 4J. Cachexia

(1×10 = 10 marks)

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

- 5A. Undifferentiated embryonic cell
- 5B. A set of symptoms occurring together
- 5C. The cause of a disease
- 5D. A woman pregnant for the first time
- 5E. Pus in the pleural cavity
- 5F. A lung disease called brown lung
- 5G. Tenderness of the synovial joint
- 5H. Death of cells due to poor blood supply
- 5I. Backache affecting lumbar region
- 5J. Bluish discoloration of skin

(1×10 = 10 marks)

6. Briefly explain about the following:

- 6A. Hyaline membrane disease
- 6B. Osteitis deformans
- 6C. Ozena
- 6D. Ankylosis
- 6E. Dysentery

(2×5 = 10 marks)

7. **Answer the following:**

- 7A. Construct five different medical terms where the prefix should begin with the letter "C".
- 7B. Identify any five stem words related to the nervous system and explain it with the help of examples.
- 7C. Explain briefly the different types of hernia.
- 7D. Differentiate between arthritis and myositis.

(5×4 = 20 marks)

