

HIA

Reg. No.																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**MANIPAL UNIVERSITY**

**THIRD SEMESTER BACHELOR OF CLINICAL OPTOMETRY/B.Sc. H.I.A./B.Sc. M.I.T.  
DEGREE EXAMINATION – JUNE 2016**

**SUBJECT: PATHOLOGY**

(BOP 209:GS – 2012 BATCH/ BHI 201:CBS – 2014, 2013 & 2011 SCHEME/MIT 203)

Thursday, June 16, 2016

Time: 10:00-11:30 Hrs.

Max. Marks: 40

☒ **Answer ALL questions.**

1. Define anaemia. Describe the aetiology and the lab diagnosis of nutritional anaemias.  
(1+3+4 = 8 marks)

2. Define necrosis. Describe the different types of necrosis with examples.  
(1+6 = 7 marks)

3. **Write short notes on:**

3A. Fate of thrombus

3B. Cellular events in acute inflammation

3C. Hemophilia

3D. Causes and spread of tumours

3E. Leprosy

(5 marks × 5 = 25 marks)



Reg. No.																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

## MANIPAL UNIVERSITY

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

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

Saturday, June 18, 2016

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

☞ Answer ALL questions.

1. What is planning? Discuss the various steps involved in planning a medical records department of a hospital.

(1+11 = 12 marks)

2. Write the objectives of medical records department. Briefly explain the day-to-day functions of medical records professionals.

(2+10 = 12 marks)

3. What is a medico-legal case? Mention the types of medico-legal case. Briefly explain the uses of medical records in legal and ethical cases related to the patient care in court of law.

(1+11 = 12 marks)

4. What is inter-department relationship? Briefly discuss the relationship of medical records department with medical staff, nursing services, pharmacy and purchase department.

(1+11 = 12 marks)

5. Define the following terms with appropriate formulas:

5A. Inpatient bed Occupancy Ratio

5B. Gross Death rate

5C. Daily inpatient census

5D. Hospital maternal death rate

5E. Hospital Infection rate

5F. Inpatient service days

(2 marks × 6 = 12 marks)

6. Write short notes on:

6A. ICD-10

6B. SNOMED

6C. Mintzberg's 10 managerial roles

6D. Rules of building good relationship

(5 marks × 4 = 20 marks)

Reg. No. 

--	--	--	--	--	--	--	--	--	--	--

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

Tuesday, June 21, 2016

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL questions.**

1. What is Total Quality Management (TQM)? Explain in detail about the elements of TQM.  
(3+12 = 15 marks)
2. With suitable examples, briefly explain about Occurrence screening and reporting process in a risk management program of a hospital. Give an illustration of Occurrence screening reporting format.  
(6+7 = 13 marks)
3. Write down in detail about Medical staff and Clinical service monitoring and evaluation process.  
(10 marks)
4. Given below is the five month statistics of a hospital, calculate the Net death rate and Gross death rate for each month and for the whole period from the given data.

Period	Total number of discharges excluding death	Number deaths within 48 hours of admission	Number of deaths after 48 hours of admission
April	510	08	03
May	484	03	03
June	620	10	04
July	581	07	02
August	660	11	05

(14 marks)

5. **Write short notes on:**

- 5A. Benchmarking
- 5B. Incidence rate
- 5C. Bed occupancy rate
- 5D. Sentinel event
- 5E. Discrete data

(2 marks × 5 = 10 marks)

6. **Answer the following:**

- 6A. Briefly explain about the characteristics of a histogram with suitable illustration.
- 6B. What is PDCA? Briefly explain about PDCA approach.
- 6C. Briefly explain about Joint Commission International accreditation system.

(6 marks × 3 = 18 marks)

Reg. No.																				
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**MANIPAL UNIVERSITY**

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

**SUBJECT: BHI 207 – MEDICAL LANGUAGE – I  
(CBS - 2013 & 2014 SCHEME)**

Thursday, June 23, 2016

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

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

a) Epi	b) Deci	c) Ad	d) Circum
e) Amphi	f) Fibri	g) Iso	h) Dia
i) Crypto	j) Juxta		

(1 mark × 10 = 10 marks)
- Write down the correct meaning of the following suffixes and explain it with an example term:**

a) –esis	b) –ician	c) –ose	d) –atresia
e) –clysis	f) –bin	g) –dia	h) –phagia
i) –tripsy	j) –lith		

(1 mark × 10 = 10 marks)
- Write down the correct meaning of the following root words and explain it with an example term:**

a) Sinus	b) Cheilos	c) Phleb	d) Athero
e) Hystero	f) Chondra	g) Clavicle	h) Sudor
i) Oophero	j) Masto		

(1 mark × 10 = 10 marks)
- Write down the correct meaning of the following medical terms:**

a) Orthopnea	b) Rales	c) Gangrene
d) Agnosia	e) Orchidoptosis	f) Sphygmomanometer
g) Musculocutaneous	h) Metamorphosis	i) Leptocephalous
j) Autognesis		

(1 mark × 10 = 10 marks)

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

- 5A. Pertaining to sense of touch
- 5B. Surgical incision into the knee joint
- 5C. An agent that enhances the dilatation
- 5D. Puncture into the chest cavity to drain out fluid
- 5E. Excessive discharge from the form the sweat glands on the skin
- 5F. A drop by drop discharge of urine
- 5G. Anastomosis between two veins
- 5H. Dissection of a joint
- 5I. Artificial opening into the larynx through the neck
- 5J. Collection of serous fluid in a sacculated cavity

(1 mark  $\times$  10 = 10 marks)

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

- 6A. Synovitis
- 6B. Ankylosis
- 6C. Bagasiosis
- 6D. Pneumothorax
- 6E. Crohn's disease

(2 marks  $\times$  5 = 10 marks)

7. **Answer the following:**

- 7A. Briefly explain any five disorders of the joint.
- 7B. Construct five medical terms using the term "hepato".
- 7C. What do you mean by hernia? Briefly explain the different types of hernia.
- 7D. Identify any five stem words related to the lymphatic system and explain it with the help of examples.

(5 marks  $\times$  4 = 20 marks)

