

## MANIPAL UNIVERSITY

SECOND SEMESTER MSc. H.H.I.A DEGREE EXAMINATION – JUNE 2016

SUBJECT: PHARMACOLOGY (MHI 602)  
(2013 SCHEME)

Saturday, June 04, 2016

Time: 10:00 – 11:30 Hrs.

Max. Marks: 40

1. Mention two advantages and two disadvantages of intravenous route of drug administration.  
(2 marks)
  
- 2A. Mention four sources of drug information.  
2B. Mention three non-receptor mediated drug actions with one example for each.  
(2+3 = 5 marks)
  
3. Explain the mechanism of action of the following:  
3A. Digoxin  
3B.  $\beta$ -lactam antibiotics  
3C. Lignocaine  
(2 marks  $\times$  3 = 6 marks)
  
- 4A. Enumerate two NSAIDs and list two therapeutic uses and two adverse effects of any one of them.  
4B. Explain the mechanism of action of omeprazole and list its two therapeutic uses.  
(3+3 = 6 marks)
  
5. What do the following abbreviations stand for:  
5A. stat  
5B. q.i.d  
5C. h.s  
5D. s.o.s  
( $\frac{1}{2}$  marks  $\times$  4 = 2 marks)
  
6. Mention three groups of drugs used in bronchial asthma with an example for each group.  
(3 marks)
  
7. Mention two examples and two therapeutic uses of the following class of drugs:  
7A. Macrolides  
7B. Nitroimidazoles  
7C.  $\alpha$ -blockers  
7D. Loop diuretics  
7E. Fluoroquinolones  
7F. Benzodiazepines  
(2 marks  $\times$  6 = 12 marks)
  
8. List two drugs each used in the following conditions:  
8A. Angina pectoris  
8B. Malaria  
8C. Vomiting  
8D. HIV infection  
(1 mark  $\times$  4 = 4 marks)



**MANIPAL UNIVERSITY****SECOND SEMESTER M.Sc. H.H.I.A./M.Sc, HI DEGREE EXAMINATION – JUNE 2016****SUBJECT: MEDICAL LANGUAGE – II (MHI 604/MIN 608)****(SPECIALIZATION: HEALTHCARE IT MANAGEMENT)****(CBS – 2015-2013 SCHEME / 2014 SCHEME)**

Tuesday, June 07, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.****1. Write down the correct explanation for following medical terms:**

- |               |             |               |             |
|---------------|-------------|---------------|-------------|
| a) Acrophobia | b) Neoplasm | c) Immunology | d) Oliguria |
| e) Genotype   | f) Dyspnea  | g) Plaque     | h) Fetus    |
| i) Neophobia  | j) Clone    |               |             |

(1 mark × 10 = 10 marks)

**2. Write down the correct expansion for following abbreviations:**

- |         |         |         |        |
|---------|---------|---------|--------|
| a) CVVH | b) AFP  | c) ERCP | d) ICD |
| e) ACD  | f) HLA  | g) FSH  | h) ITP |
| i) MAP  | j) MODS | k) PAN  | l) PTC |
| m) SVV  | n) VLDL | o) RF   |        |

(1 mark × 15 = 15 marks)

**3. Write short notes on:**

- |                 |                      |                       |
|-----------------|----------------------|-----------------------|
| a) Chemotherapy | b) Addison's disease | c) Diabetes Insipidus |
| d) Cyclothymia  | e) Herpes            | f) Urticaria          |
| g) Beriberi     | h) Balance disorder  | i) Acne               |
| j) Common wart  |                      |                       |

(2½ marks × 10 = 25 marks)

**4. Answer the following:**

- 4A. Distinguish between characteristic features of Atherosclerosis and Arteriosclerosis.
- 4B. Give a brief account about GB Syndrome.
- 4C. Briefly explain about any four disorders of menstruation.
- 4D. Write down the etiology clinical features and management of Malaria.
- 4E. Give an account about various treatment modalities of cancer.

(6 marks × 5 = 30 marks)



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## MANIPAL UNIVERSITY

SECOND SEMESTER M.Sc. H.H.I.A. / M.Sc. HI DEGREE EXAMINATION – JUNE 2016

**SUBJECT: HOSPITAL ADMINISTRATION (MHI 608/MIN 606)**

(SPECIALIZATION: HEALTHCARE IT MANAGEMENT)  
(CBS-2015 SCHEME & OR-2013 SCHEME /2014 SCHEME)

Thursday, June 09, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

1A. Write briefly on the requirements in running the Hospital Laundry. Outline the layout of the Hospital Laundry.

(17+5 = 22 marks)

1B. Define Biomedical Waste. Write briefly on the available guidelines/law for proper disposal of Hospital waste.

(4+18 = 22 marks)

2. **Write short notes on the following questions:**

2A. Drugs and therapeutic committee

2B. Numbering system in MRD

2C. Classification of ICU's

(12 marks × 3 = 36 marks)



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## MANIPAL UNIVERSITY

SECOND SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JUNE 2016

SUBJECT: HEALTH INFORMATICS (MHI 610)  
(2015/2013 SCHEME)

Saturday, June 11, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ Answer ALL the questions.

1. What is Health Informatics? Discuss briefly on information theory of health informatics with suitable example.

(1+11 = 12 marks)

2. What is an electronic health record? Discuss on challenges and strategies for the successful implementation of electronic health record.

(1+5+6 = 12 marks)

3. How the communication technologies improve the overall productivity of healthcare professionals in patient care? Discuss with suitable example.

(12 marks)

4. Discuss on various standards of health informatics with respect to software application and clinical data representation with suitable example.

(6+6 = 12 marks)

5. What are the changes took place in professional practice and management roles due to the advancement in healthcare informatics. Discuss

(6+6 = 12 marks)

6. Write short notes on:

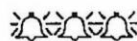
6A. Development of health informatics during 1980s

6B. Dimension of performance for the protection of health information

6C. Telemedicine in Indian scenario

6D. Approaches for predicting the future state of healthcare informatics

(5 marks × 4 = 20 marks)



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## MANIPAL UNIVERSITY

SECOND SEMESTER M.Sc. H.H.I.A. DEGREE EXAMINATION – JUNE 2016

SUBJECT: HEALTH INFORMATION MANAGEMENT - II (MHI 616)  
(2015 SCHEME)

Monday, June 13, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ Answer the following questions.

1. Which are the major types of primary healthcare data? Write in detail about its uses and values.

(10 marks)

2. Define telemedicine. Illustrate the concept of telemedicine with the help of neat diagram.

(10 marks)

3. What are the uses of healthcare statistics? Write in detail about the causes, sources of poor quality statistical data and methods to improve.

(10 marks)

4. According to IMC professional conduct, etiquette and ethics regulations (2002), what are the obligations of doctor to patients & health documentation? Detail

(10 marks)

5. What is the main objective of NABH? List the IMS standards of NABH and its objective elements.

(20 marks)

6. Write short notes on the following:

6A. Master Patient Index

6B. MLC handling in MRD

6C. Health requisitions

6D. Practice parameters

(5 marks × 4 = 20 marks)

