

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2005**SUBJECT: PHARMACOLOGY
(COMMON FOR BOTH OLD & NEW REGULATION)**

Wednesday, June 22, 2005

Time Available: 1½ Hours

Maximum Marks: 40

All questions are compulsory

- 1A. List four parenteral routes of drug administration.
 1B. Mention three advantages and three disadvantages of oral route of drug administration.
 (2+(1½ +1½) = 5 marks)
- 2A. Explain briefly the types of prescription.
 2B. Define the terms: i) Bioavailability ii) Antagonist iii) Teratogenicity.
 (2+(1×3) = 5 marks)
- 3A. Define receptor. Mention two types of cholinergic receptors.
 3B. Mention any four sympathomimetics with one use for each of them.
 (2+4 = 6 marks)
4. Write the mechanism of action and one adverse effect of the following:
 4A. Nitroglycerine
 4B. Metoclopramide
 4C. Penicillin G.
 (2×3 = 6 marks)
5. Name two drugs belonging to the following groups:
 5A. ACE inhibitors
 5B. Aminoglycosides
 5C. Antimetabolites
 5D. Benzodiazepines
 5E. Anti-retroviral (HIV) drugs
 5F. Oral hypoglycemics
 5G. Local anaesthetics
 5H. Beta-blockers
 5I. Macrolides
 5J. Nonsteroidal anti-inflammatory drugs (NSAIDs).
 (1×10 = 10 marks)
6. Mention two drugs used in preanaesthetic medication with reason.
 (2×2=4 marks)
7. Mention one use and one adverse effect of the following:
 7A. Dapsone
 7B. Amphotericin-B
 7C. Phenytoin
 7D. Thiazides.
 (1×4 = 4 marks)



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SECOND SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2005**SUBJECT: COMMUNICATION SKILLS****(NEW REGULATION)**

Thursday, June 23, 2005

Time available: 3 Hours

Max. Marks: 80

✍ **Answer ALL questions.**1. Essay: Answer any **TWO** of the following questions.

- 1A. Define conflict resolution. Explain briefly the ways in which one resolves conflicts.
 1B. Enumerate the different types of people.
 1C. Describe the different kinds of feedback.

(10×2 = 20 marks)

2. Brief essays – Answer **ALL** of the following questions.

- 2A. Explain the term “I statements”.
 2B. Describe an assertive person.
 2C. What are kinesthetic words?
 2D. What is the role of positive words in a conversation?
 2E. What is the meaning of “patronizing”?
 2F. “Questions are important in gathering information.” Explain.
 2G. What are the four steps one takes in order to know the full story?
 2H. How do you deal with complaints?

(5×8 = 40 marks)

3. Match the words given in column A with their correct meanings given in column B.

A

1. Cluster
 2. Forge
 3. Naïve
 4. Critical
 5. Progress

B

- a. Serious
 b. Innocent
 c. A group of things
 d. to slowly move in the right direction
 e. copy

(2×5 = 10 marks)

4. Make sentences using the following words.

- 4A. Massive
 4B. Gorgeous
 4C. Manage
 4D. Priority
 4E. Nasty.

(2×5 = 10 marks)



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SECOND SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2005

SUBJECT: MICROBIOLOGY

(OLD REGULATION)

Thursday, June 23, 2005

Time Available: 1½ Hours

Maximum Marks: 40

All questions are compulsory.

1. Describe the bacterial cell with the help of a neat labeled diagram.

(5+5 = 10 marks)

2. Define and classify infection. Describe different modes of transmission of infection.

(2+3+5 = 10 marks)

3. Write short notes on:

3A. Pasteurization

3B. Louis Pasteur

3C. Opportunistic fungal infections

3D. AIDS

(5×4 = 20 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

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SECOND SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2005

SUBJECT: HEALTH INFORMATION – I

(NEW REGULATION)

Friday, June 24, 2005

Time Available: 3 Hours

Maximum Marks: 80

☞ All questions are compulsory.

1. What is master patient index card? Brief the arrangement of master patient index card.
(1+8 = 9 marks)
2. Brief the SOAP technique of documenting patient information with suitable example.
(8 marks)
3. Write the importance of medical records to the hospital, accreditation agencies, and third party payers.
(9 marks)
4. What is discharge summary? Briefly describe the purpose and contents of discharge summary.
(1+9 = 10 marks)
5. Write the various purposes of medical records.
(7 marks)
6. Write briefly on qualitative analysis of medical records.
(7 marks)
7. Write short notes:
 - 7A. Hippocratic oath
 - 7B. Problem oriented medical records
 - 7C. Terminal digit filing
 - 7D. Central cancer registers
 - 7E. Egyptian period and medicine
 - 7F. Disease index card.

(5×6 = 30 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

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SECOND SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2005

**SUBJECT: PATHOLOGY
(OLD REGULATION)**

Friday, June 24, 2005

Time Available: 1½ Hours

Maximum Marks: 40

All questions are compulsory

1. Define shock. Mention the different types of shock. Describe pathogenesis of hypovolemic shock.

(1+2+7 = 10 marks)

2. Write short notes on:

2A. Granuloma.

2B. Chemotaxis.

2C. Coagulative necrosis.

2D. Classification of anemia.

2E. Metaplasia and hyperplasia.

2F. Cardiac edema.

(5×6 = 30 marks)



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SECOND SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JUNE 2005

SUBJECT: MEDICAL ETHIC AND LEGAL ASPECTS

Monday, June 27, 2005

Time: 3Hrs.

Max. Marks:80

✍ Answer ALL the questions.

1. Define Law. When the medical matter comes into interaction with law?
(1+8 = 9 marks)
2. Distinguish between the principles of beneficence and non-maleficence.
(6 marks)
3. Briefly describe the contributory negligence with suitable examples.
(6 marks)
4. Briefly describe the various unethical practice mentioned under the International Code of Medical Ethics.
(7 marks)
5. What is rational drug therapy? Briefly describe the criteria for rational drug therapy.
(1+5 = 6 marks)
6. Define paternalism in medical practice. How the paternalism can create ethical problems in medical professional?
(2+7 = 9 marks)
7. What is informed consent? Briefly describe the clinical aspects of informed consent.
(1+6 = 7 marks)
8. Write short notes:
 - 8A. Principles of Autonomy
 - 8B. Consumer Protection Act
 - 8C. Legal aspects of medical records
 - 8D. Hippocratic Oath
 - 8E. Indian Penal Code
 - 8F. Code of conduct for medical records administration.

(6×5 = 30 marks)

