

Time: 3 hours

Max.Marks:70

Answer any five questions
All questions carry equal marks

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1. Write short notes on:
 - a) Causes of cell injury
 - b) Hypolipoproteinaemia.

[7+7]
2. Write short notes on:
 - a) Wound repair mechanisms
 - b) Pathogenesis of acute inflammation.

[7+7]
3. Write in brief on:
 - a) AIDS
 - b) T cells.

[7+7]
4. Classify tumors. Write in detail on etiology and pathogenesis of cancers. [14]
5. Discuss the following:
 - a) Carbon monoxide in air pollution
 - b) Biological effects of starvation.

[7+7]
6. Explain the pathophysiology of:
 - a) Depression
 - b) Myocardial infarction.

[7+7]
7. Write in brief on the management of:
 - a) Tuberculosis
 - b) Malaria.

[7+7]
8. Write short notes on:
 - a) Role of radiation in DNA damage
 - b) Food allergy.

[7+7]

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Code No. 2.2

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Pharm D II Year Regular Examinations, June - 2016

PHARMACEUTICAL MICROBIOLOGY

Time: 3 hours

Max. Marks: 70

Answer any five questions
All questions carry equal marks

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- 1.a) Discuss the scope of microbiology.
b) Give an overview of various methods of microbial classification. [7+7]
- 2.a) Discuss the difference between cultivation of aerobic and anaerobic bacteria.
b) Describe the technique for total and viable counting of bacteria. [7+7]
- 3.a) Describe the official method of sterility testing of pharmaceuticals.
b) Discuss the procedure of evaluation of antimicrobial activity. [7+7]
- 4.a) Write an account of various fungicidal and viricidal agents and their mode of action.
b) Write a note on validation of pharmaceutical preparations. [7+7]
- 5.a) Write in detail about antigen antibody interaction.
b) Write a note on immunization programme and mention about the importance of booster dose. [7+7]
6. Write in detail about the following diagnostic tests with suitable example:
a) ELISA b) PCR c) Widal Test. [5+4+5]
- 7.a) Describe the methods of microbial sensitivity assay of antibiotics.
b) Write about potency tests for vaccines containing diphtheria and tetanus toxoid. [7+7]
8. Describe the pathogenesis of following diseases and also explain recent developments for their control.
a) Malaria
b) Hepatitis. [7+7]

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Code No: 2.3

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Pharm.D II Year Regular Examinations, June - 2016

PHARMACOGNOSY AND PHYTOPHARMACEUTICALS

Time: 3 hours

Max.Marks: 70

**Answer any five questions
All questions carry equal marks**

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1. Give an account on history and scope of Pharmacognosy. [14]
2. Describe the methods of collection, processing and storage of crude drugs. [14]
3. Enlist and enumerate the cell constituents with neat labeled diagrams. [14]
4. Explain the chemistry and method of analysis of proteins. [14]
5. Classify carbohydrates with specific examples and write complete pharmacognostic study of any two drugs. [14]
6. Define adulteration. And discuss on types of drug adulterants and adulteration methods. [14]
7. Write an account on any two fibers used in surgical dressings. [14]
8. Write the source, method of extraction and chemistry of any two lipid drugs. [14]

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Code No: 2.4

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Pharm.D II Year Regular Examinations, June - 2016

PHARMACOLOGY - I

Time: 3 hours

Max. Marks: 70

Answer any five questions

All questions carry equal marks

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- 1.a) Write a note on transduction mechanisms involved in cell signaling system. [7+7]
b) Write a note on drug interactions. [7+7]
- 2.a) Write the pharmacological actions, MOA and uses of anti-cholinergics.
b) Write the treatment of myasthenia gravis with mechanism of action of each class. [7+7]
- 3.a) Give classification of anti-arrhythmics with detailed pharmacological action, MOA and uses of lidocaine.
b) Give classification of anti hypertensives with MOA of diuretics. [7+7]
- 4.a) Give treatment of status epilepticus.
b) Classify anti-depressants. Give MOA and side effects of Tricyclic Antidepressants. [7+7]
- 5.a) Write the treatment of cough.
b) Write the treatment of bronchial asthma. [7+7]
6. Write the pharmacological actions, MOA and uses of thyroxine synthesis inhibitors. [14]
- 7.a) Write a note on anti-platelet drugs.
b) Write a note on anti hyperlipidemics. [7+7]
8. Discuss pharmacological actions, MOA and uses of estrogens. [14]

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Code No: 2.5

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Pharm.D II Year Regular Examinations, June - 2016

COMMUNITY PHARMACY

Time: 3 hours

Max.Marks:70

Answer any five questions

All questions carry equal marks

More Updates Follow at www.pharmawisdom.blogspot.com

- 1.a) What is the scope of Community pharmacy? Discuss the responsibilities of community pharmacist. [7+7]
b) Write the space layout and design of Community pharmacy.
 2. How are the materials in Community pharmacy are coded and stocked? [14]
 - 3.a) Define prescription. Write various parts of it. [7+7]
b) Enlist various methods of inventory control? Explain any one.
 - 4.a) Write the definition and principles of pharmaceutical care.
b) What is patient counselling? What are the strategies to overcome barriers? [7+7]
 - 5.a) What is patient medication adherence? Write the role of pharmacist in improving the adherence. [7+7]
b) Enlist various health screening services? Discuss about any two methods.
 - 6.a) Write the definition of OTC drugs. Give examples.
b) Discuss the common drug therapy to constipation, pyrexia and worm infestations. [5+9]
 - 7.a) Discuss about causative agents and prevention of leprosy, typhoid and malaria.
b) What is balanced diet? Add a note on role of pharmacist in family planning. [10+4]
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- 8.a) What is rational drug Therapy? Discuss the role of community pharmacist in this Therapy.
b) Write about code of ethics for Community pharmacists. [7+7]