

Code No. 2.1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
PHARM D II Year Regular Examinations, June-2015
PATHOPHYSIOLOGY

Time: 3 hours

Max.Marks:70

Answer any five questions
All questions carry equal marks

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1. Explain about the following:
a) Atrophy and hypertrophy
b) Wound healing. [7+7]
2. Discuss about the etiology and pathogenesis of cancer. [14]
3. Explain about the role of B lymphocytes in immune response. Add a note on AIDS. [14]
4. What are different types of shock and explain about their management? [14]
5. Discuss about Vitamin deficiency disorders. [14]
6. Discuss about the symptoms and pathophysiology of Asthma. [14]
7. Discuss about the symptoms and pathophysiology of Stroke. [14]
8. Write briefly about the following:
a) Typhoid
b) Leprosy
c) Urinary tract infections. [4+4+6]

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1. Explain about:
a) Macro and micro nutrients of various media
b) Cultivation of viruses. [6+8]
2. Discuss about:
a) Pharmaceutical preparation and presence of injectables
b) Differentiate bactericidal and virucidal activities. [7+7]
3. Write a detailed note on Antigen-Antibody reactions with suitable examples. [14]
4. Define antibiotics and Write a brief notes on the microbial production of:
a) Streptomycin
b) Vit-B2. [7+7]
5. Give an elaborate note on:
a) ELISA
b) Vaccines. [7+7]
6. Explain about the various types of immunities associated with human bodies. [14]
7. What is a microbial assay? Write about the assay of Vit-B12. [14]
8. Discuss about:
a) Malarial parasite
b) HIV. [7+7]

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1. Classify crude drugs and discuss in detail on the morphological and chemical classification of crude drugs. [14]
2. Explain the factors affecting the cultivation of crude drugs and add a note on processing and storage of crude drugs. [14]
- 3.a) Draw a neat labelled diagram of cell.
b) Describe cell inclusions. [7+7]
- 4.a) Describe powder characters of Senna and cinchona.
b) Write a note on natural pesticides. [7+7]
- 5.a) Differentiate between oils and lipids.
b) Give the source and method of extraction of cod liver oil. [7+7]
6. Write a note on classification and method of analysis of proteins with examples. [14]
7. Write an account of the following:
a) Cotton
b) Nylon. [7+7]
8. What are the various possible adulteration methods? Explain them with specific examples. [14]

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
PHARM D II Year Regular Examinations, June-2015
PHARMACOLOGY-I

Time: 3 hours

Max.Marks:70

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- 1.a) Discuss the advantages and disadvantages of parenteral route of administration.
b) Explain the factors modifying drug absorption. [7+7]
- 2.a) Classify cholinergic drugs. Discuss the pharmacological actions of anticholinesterase agents.
b) Write a short note on ganglionic blocking agents. [10+4]
- 3.a) Classify antiparkinsonian drugs and explain the mechanism of action, pharmacological actions and drug interactions of Levodopa.
b) Write the therapeutic uses of statins with examples. [10+4]
- 4.a) Discuss the mechanism of action, therapeutic effects and adverse effects of nitrates for the treatment of angina pectoris.
b) Explain how β - blockers are useful in the treatment of heart failure? [10+4]
- 5.a) Classify general anesthetics. Explain various stages of general anesthesia.
b) Classify barbiturates. Discuss the mode of action, therapeutic uses and adverse reactions of barbiturates. [7+7]
- 6.a) Classify anticonvulsant drugs. Explain the mechanism of action, clinical uses, adverse effects and drug interactions of Valproic acid.
b) Describe the pharmacological actions of alcohol. Explain the adverse effects of chronic use of alcohol. [7+7]
- 7.a) Classify oral hypoglycemic agents with examples. Describe the mechanism of action and therapeutic uses of sulfonyl ureas.
b) Write a note on bronchodilators and nasal decongestants. [7+7]
- 8.a) Explain the synthesis of 5-HT in the body.
b) Classify 5-HT receptors with respect to their specific agonist and antagonists. [4+10]

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Code No. 2.5

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
PHARM D II Year Regular Examinations, June-2015
COMMUNITY PHARMACY

Max.Marks:70

Time: 3hours

Answer any five questions
All questions carry equal marks

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1. What is the scope of community pharmacist? Write in detail about the staff, material and maintenance of register and use of computers for community pharmacy management. [14]
2. What is inventory control in community pharmacy? Write the various methods of inventory control and briefly discuss about ABC and VED analysis. [14]
3. Write short notes on:
a) Patient information leaflets [7+7]
b) Factors affecting medication adherence.
4. What is OTC medication? Enlist the OTC medication and discuss about the counseling of OTC medication with examples. [14]
5. What is the importance of Health screening services? Write the methods of screening for Blood pressure, blood sugar and Cholesterol testing. [14]
6. What is communicable disease and write the causative agent for them? Discuss the clinical presentation and prevention of Malaria and AIDS. [14]
7. What are essential drugs? Write the role of pharmacist in rational drug therapy. [14]
8. Write short notes on:
a) WHO guidelines in Health education [7+7]
b) Code of ethics for community pharmacist.

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Time: 3hours

Max.Marks:70

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1. Write pharmacotherapy of following diseases:
a) Hypertension
b) Myocardial infraction. [7+7]
2. Write etiopathogenesis of asthma and drug induced pulmonary diseases. [14]
- 3.a) Write about chronic obstructive airway diseases.
b) Write briefly on oral contraceptive therapy. [7+7]
4. Write the prescribing guidelines for paediatric patients. [14]
5. Write pharmacotherapy of glaucoma and conjunctivitis of eye. [14]
6. Write role of pharmacist in rational drug formulations. [14]
7. Write etiopathogenesis of angina pectoris and diabetes. [14]
8. Write short note on:
a) Viral infections
b) Pregnancy and breast feeding. [7+7]

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