

ADICHUNCHANAGIRI UNIVERSITY

Pharm.D II year Examination – October 2020

TIME: 2 Hours

MAX.MARKS: 40

SUB: Pathophysiology

QP CODE: 44201

Specific Instructions

1. Answer One Question from **Long Essay** (Each question carries 10 Marks).
2. Answer Four Questions from **Short Essay** (Each question carries 5 Marks).
3. Answer all **Short answers** (Each question carries 2 Marks)
4. Write the Question followed by Answer.
5. Write the same question numbers as they appear in this question paper.
6. Your answer should be specific to the questions asked.
7. Draw neat labelled diagrams wherever necessary.

Long Essay: Answer any One

1X10=10

1. Describe various types of cell injury. Discuss the pathogenesis & morphology of irreversible cell injury induced by Hypoxia/Ischemia.
2. Explain the risk factors, pathogenesis and clinical features of Atherosclerosis. Mention its complications.

Short Essay: Answer any Four

4X5=20

3. Differentiate between Benign and Malignant tumour.
4. Explain the pathogenesis of Parkinsonism with clinical symptoms.
5. Explain the Etiology, pathogenesis, signs and symptoms of Tuberculosis.
6. Give a note on Pathogenesis of HIV infection.
7. What are the various chemical mediators of inflammation.
8. Discuss the etiology and pathogenesis of Shock.

Short Answers: Answer All the questions

5X2=10

9. Define angina. Mention the types.
10. What is Peptic ulcer.
11. Give the complications of Diabetes mellitus.
12. Name the causative agents, mode of transmission, signs & symptoms for typhoid.
13. Mention the factors influencing healing of wound.

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SUB: Pharmacotherapeutics - I

QP CODE: 44206

Specific Instructions

1. Answer One Question from **Long Essay** (Each question carries 10 Marks).
2. Answer Four Questions from **Short Essay** (Each question carries 5 Marks).
3. Answer all **Short answers** (Each question carries 2 Marks)
4. Write the Question followed by Answer.
5. Write the same question numbers as they appear in this question paper.
6. Your answer should be specific to the questions asked.
7. Draw neat labelled diagrams wherever necessary.

Long Essay: Answer any One

1X10=10

1. Define Congestive heart failure and explain its management.
2. Discuss in detail treatment of Chronic Obstructive Pulmonary Disease.

Short Essay: Answer any Four

4X5=20

3. Discuss the role of HMG CO-A reductase inhibitors and fibrates in the management of Hyperlipidaemia.
4. Explain the pharmacotherapy of bacterial conjunctivitis.
5. Explain the clinical presentation and treatment of Osteoporosis.
6. List out distinguishing features of open-angle and closed-angle glaucoma.
7. Explain the categorization of drugs in pregnancy with suitable examples.
8. Explain in detail about etiology, clinical manifestations and treatment of hyperthyroidism.

Short Answers: Answer All the questions

5X2=10

9. Mention the importance of essential drug concept.
10. Define HRT and its significance.
11. Name any two drugs which are contraindicated during pregnancy and mention the reason.
12. Write Young's formula.
13. Write a note on DASH

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Pharm.D II year Examination – October 2020

TIME: 2 Hours

MAX.MARKS: 40

SUB: Community Pharmacy

QP CODE: 44205

Specific Instructions

1. Answer One Question from **Long Essay** (Each question carries 10 Marks).
2. Answer Four Questions from **Short Essay** (Each question carries 5 Marks).
3. Answer all **Short answers** (Each question carries 2 Marks)
4. Write the Question followed by Answer.
5. Write the same question numbers as they appear in this question paper.
6. Your answer should be specific to the questions asked.
7. Draw neat labelled diagrams wherever necessary.

Long Essay: Answer any One

1X10=10

1. Discuss about the causative organism, clinical presentation & prevention of Tuberculosis(TB)& Malaria.
2. What are the various methods of inventory control techniques? Explain any two methods in detail.

Short Essay: Answer any Four

4X5=20

3. Define patient counselling. Explain the various stages of patient counseling.
4. Define health. Describe the pharmaceutical care for geriatrics.
5. Mention different methods for measuring the medication adherence. Explain role of pharmacist in improving the adherence.
6. Discuss the legal requirements in community pharmacy.
7. Explain the common drug therapy for pain.
8. Code of ethics of pharmacist in relation to trade and society.

Short Answers: Answer All the questions

5X2=10

9. Scope of community pharmacy
10. Over the Counter (OTC)medications.
11. Advantages of inventory control.
12. Vasectomy.
13. Define drug interactions. Give examples of drug-drug interactions.

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Pharm.D II year Examination – October 2020

TIME: 2 Hours

MAX.MARKS: 40

SUB: Pharmacology I

QP CODE: 44204

Specific Instructions

1. Answer One Question from **Long Essay** (Each question carries 10 Marks).
2. Answer Four Questions from **Short Essay** (Each question carries 5 Marks).
3. Answer all **Short answers** (Each question carries 2 Marks)
4. Write the Question followed by Answer.
5. Write the same question numbers as they appear in this question paper.
6. Your answer should be specific to the questions asked.
7. Draw neat labelled diagrams wherever necessary.

Long Essay: Answer any One

1X10=10

1. Define Pharmacokinetics and Pharmacodynamics. Discuss in detail about factors modifying drug effects.
2. Define Sedatives and Hypnotics. Classify and write the pharmacology of Benzodiazepines.

Short Essay: Answer any Four

4X5=20

3. What is Parkinsonism? Write the drugs used in Parkinsonism
4. Define Hypertension. Classify with suitable examples.
5. Define CHF. Classify with suitable examples.
6. Define and classify Local anesthetics. Write the adverse effects and uses of Lignocaine.
7. Define Epilepsy. Classify Anti-convulsants with suitable examples.
8. Discuss Pre-clinical evaluations.

Short Answers: Answer All the questions

5X2=10

9. Write different sources of drugs
10. Two examples of Psychotropic drugs
11. Define Mydriatics with two examples
12. Define Anti-tussive with two examples
13. Define Tocolytics with two examples

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Pharm.D II year Examination – October 2020

TIME: 2 Hours

MAX.MARKS: 40

SUB: Pharmacognosy and Phytochemistry

QP CODE: 44203

Specific Instructions

1. Answer One Question from **Long Essay** (Each question carries 10 Marks).
2. Answer Four Questions from **Short Essay** (Each question carries 5 Marks).
3. Answer all **Short answers** (Each question carries 2 Marks)
4. Write the Question followed by Answer.
5. Write the same question numbers as they appear in this question paper.
6. Your answer should be specific to the questions asked.
7. Draw neat labelled diagrams wherever necessary.

Long Essay: Answer any One

1X10=10

1. Explain with a neat labelled diagrams of microscopy and powder microscopical characters of Senna.
2. Define Adulteration. Explain in detail the various methods of adulteration of crude drugs with examples.

Short Essay: Answer any Four

4X5=20

3. Explain the method of cultivation and collection of Rauwolfia.
4. Discuss Pyrethrum and Tobacco as natural pesticides.
5. Define proteins. Add a note on chemistry and method of analysis of proteins.
6. Write the source, chemical constituents and tests for Tragacanth.
7. Define carbohydrates. Give the differences between gums and mucilage with examples.
8. Write a note on plant fibers and name two surgical dressings and their uses.

Short Answers: Answer All the questions

5X2=10

9. What are gibberlins? Give its significance.
10. Discuss the cell wall components and ergastic cell inclusions.
11. Define and give the identification tests for protein.
12. Give the source and chemical constituents of Neem.
13. Give the source and pharmaceutical uses of Honey.

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TIME: 2 Hours

MAX.MARKS: 40

SUB: Pharmaceutical Microbiology

QP CODE: 44202

Specific Instructions

1. Answer One Question from **Long Essay** (Each question carries 10 Marks).
2. Answer Four Questions from **Short Essay** (Each question carries 5 Marks).
3. Answer all **Short answers** (Each question carries 2 Marks)
4. Write the Question followed by Answer.
5. Write the same question numbers as they appear in this question paper.
6. Your answer should be specific to the questions asked.
7. Draw neat labelled diagrams wherever necessary.

Long Essay: Answer any One

1X10=10

1. Explain the principle and operating procedure of autoclave along with a neat labeled diagram. List out its application and demerits
2. Discuss in general the various types of antigen and antibody reactions. Add a note on their applications.

Short Essay: Answer any Four

4X5=20

3. Enlist methods for isolation of pure culture.
4. Explain the mechanism of action and applications and limitations of alcoholic disinfectants with examples.
5. Write the procedure, merits and demerits of ethylene oxide sterilisation.
6. Add a note on immunization programme.
7. Write principle, procedure and applications of Montoux's test
8. Write a note on standardization of vaccines.

Short Answers: Answer All the questions

5X2=10

9. Draw the bacterial growth curve, label the different phases of growth.
10. Write about classification of immunity.
11. Write the principle of Gram's staining.
12. Write the function of bacterial capsule.
13. Name the causative organism and diagnostic test for typhoid and AIDS.
