



Second BPTH (2012) Examination, Summer (Phase - III All Other
Remaining UG/PG Courses) - 2020
PHARMACOLOGY

Total Duration : 2 Hours

Total Marks : 40

- Instructions :**
- 1) Use blue/black ball point pen only.
 - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are compulsory.
 - 4) The number to the right indicates full marks.
 - 5) Draw diagrams wherever necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all sections.

1. Short answer question (any five out of six) : [5 × 3 = 15]

- a) Classify reversible anticholinesterases. Explain therapeutic uses of Neostigmine. 1
- b) Explain the rationale of combining levodopa with carbidopa in Parkinsonism. 2
- c) Classify drugs used in the treatment of Bronchial asthma. Give details of Montelukast use in Bronchial asthma. 2
- d) Discuss therapeutic uses of beta blockers. 3
- e) Describe mechanism of action of metronidazole along with its adverse drug reaction.
- f) Define vaccine. State examples of live vaccines with their advantages. 2

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2. Short answer question (any five out of six) :

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[5 × 5 = 25]

- 3 a) Define bioavailability. Discuss various factors affecting bioavailability.
- 3 b) Compare and contrast between NSAIDs and opioid analgesics.
- 1 c) Enumerate various insulin preparation. Write uses and adverse effects of insulin.
- 1 d) Discuss mechanism of action and therapeutic uses of carbamazepine.
- e) Enumerate drugs used in rheumatoid arthritis. Explain the role of methotrexate in rheumatoid arthritis.
- f) Describe the common characteristics and therapeutic uses of aminoglycosides.





Second B.P.T.H. (2012) Examination, Summer - 2021
PHARMACOLOGY

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 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for all Sections.

1. Short answer question (**any five** out of six) : [5 × 3 = 15]

- a) Write a note on clinical uses of Organic Nitrates with examples.
- b) Define Biotransformation. Describe any two factors that modify it with suitable examples.
- c) Write a note on Diazepam.
- d) Give the rationale for the combination of Levodopa and Carbidopa in the treatment of Parkinsonism.
- e) Enumerate Sulfonylureas. Describe their anti-diabetic actions and adverse effects.
- f) Name Proton Pump Inhibitors. Explain the rationale for their use in Peptic Ulcer Disease.

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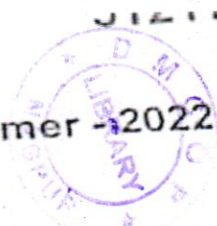
2. Short answer question (any five out of six) :

[5 × 5 = 25]

- ✓ a) Classify Antihypertensive Drugs. Describe the role of hydrochlorothiazide in the management of hypertension. Enumerate its adverse reactions.
- b) Describe with the help of suitable examples five factors that modify drug action.
- ✓ c) Classify Analgesic Drugs. Describe the therapeutic uses of Aspirin.
- ✓ d) Describe in brief the medical management of Myasthenia Gravis giving reasons.
- ✓ e) Describe the therapeutic uses and adverse reactions of Glucocorticoids.
- ✓ f) Classify drugs used in Bronchial Asthma. Describe the mechanism of action and adverse effects of Salbutamol.



Second B.P.TH. (2012) Examination, Phase - II Summer - 2022
PHARMACOLOGY



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Total Marks : 40

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 - 3) All questions are compulsory.
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 - 7) Use a common answerbook for all sections.

1. Short answer question (any five out of six) :

[5 × 3 = 15]

- a) Classify various routes of drug administration with suitable examples of drugs administered.
- b) Classify the drugs used for the treatment of various epilepsies based on their types.
- c) Classify drugs used in the treatment of Bronchial Asthma with their mechanisms of action.
- d) Enumerate drugs for treating Pulmonary Tuberculosis. Mention the treatment regimen with its basis.
- e) Explain the role of nitrates in the treatment of angina pectoris.
- f) Define 'Adverse Drug Reactions' and classify them.

2. Short answer question (any five out of six) :

- a) Classify drugs used for Peptic ulcer. Mention drug regimens used for H. pylori infection giving reasons.
- b) Classify Non Steroidal Anti-inflammatory drugs with their mechanisms of action. Enumerate drugs used for Gout. Write a note on Colchicine.
- c) Classify skeletal muscle relaxant agents. Write their uses with examples.
- d) Enumerate cardio-selective beta blockers. Mention their clinical uses and the advantages over non selective ones.
- e) Classify various Penicillins. Mention their Mechanism of Action and clinical uses with suitable examples.
- f) Classify anti-thyroid drugs. Compare and contrast Propylthiouracil and Carbimazole. Mention their mechanism of action.



Second B.P.T.H. (2012) Examination, Summer - 2023 (Phase - III)
PHARMACOLOGY

Total Duration : 2 Hours

Total Marks



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 - 7) Use a common answerbook for all sections.

1. Short answer question (any five out of six) : [5 × 3 = 15]

- a) Define bioavailability. Describe four factors affecting it.
- b) Enumerate mechanisms of action of drugs used for the treatment of epilepsies giving examples.
- c) Classify drugs for cough. Add a note on mucolytic agents.
- d) Enumerate drugs for Leprosy. Write the schedule of treatment of paucibacillary leprosy giving reason.
- e) Enumerate clinical uses of organic nitrates giving examples.
- f) Define teratogenicity with suitable examples.

2. Short answer question (any five out of six):
- Classify antiemetic drugs. Add a note on Prokinetic drugs.
 - Classify Non-Steroidal Anti-inflammatory drugs (NSAIDs). Describe their mechanisms of action. Enumerate their Adverse Effects.
 - Classify Skeletal Muscle Relaxant agents. Write their respective uses.
 - Write uses and ADR of Glucocorticoids.
 - Classify Anticholinergic drugs. Write their uses with examples.
 - Enumerate Aminoglycosides. Describe their Mechanism of Action and ADR.

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