

Second B.P.TH. (2012) Examination, Winter - 2023 (Phase-II)

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 (Solve any 5 out of 6) : **[5×3=15]**

- a) Describe in brief management of Myasthenia Gravis.
- b) Compare and Contrast between Thiazide and Furosemide.
- c) Write mechanism of action, therapeutic uses and adverse effects of Metformin.
- d) Write a note on Inhaled steroids in Bronchial Asthma.
- e) Write a note on transdermal drug delivery system giving suitable examples.
- f) Describe the treatment of chronic Gout.

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2. Short Answer Questions (Solve any 5 Out of 6) :-

[5×5=25]

- a) Classify Aminoglycosides. Write a note on Gentamicin.
- b) Classify Non Steroidal Anti- Inflammatory drugs. Describe their therapeutic uses and adverse effects.
- c) Classify Sedative and Hypnotics. Describe therapeutic uses of Benzodiazepines and advantages of Benzodiazepines over Barbiturates.
- d) Classify Antihypertensive agents. Describe therapeutic uses, adverse effects and contraindications of Beta adrenergic blockers.
- e) Describe at least 10 factors modifying drug action.
- f) Classify Antithyroid drugs. Describe mechanism of action, uses and advantages of Propylthiouracil.



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

[5×3=15]

- a) Describe plasma protein binding of drugs with suitable examples
- b) Classify antipsychotics. Describe chlorpromazine with regards to its one indication and one adverse drug reaction
- c) Compare and contrast Iron dextran and Iron sorbitol citric acid complex
- d) Discuss the management of status asthmaticus.
- e) What are advantages and disadvantages of oral route of administration?
- f) Mention the drugs used for dry cough. Describe codeine in short.

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

[5×5=25]

- a) Classify semisynthetic penicillins, Mention its uses.
- b) Mention different types of shocks. Add a note on management of septic shock.