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Second B.P.Th. (2012) Examination, Summer 2018
PHARMACOLOGY

Total Duration : 2 Hours

Total Marks : 40

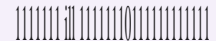
- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) Do not write anything on the **blank portion of the question paper**.
If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All** questions are **compulsory**.
 - 4) The number to 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 answerbook for **all** Sections.

1. Short answer question (**any five** out of six) :**(5x3=15)**

- a) Define Bioavailability of a drug. Mention four factors affecting bioavailability.
- b) List aminoglycosides. Write in brief about its Pharmacological basis for use in infections. Mention two uses and two adverse effects.
- c) Classify benzodiazepines. Write three therapeutic uses and two adverse effects of diazepam.
- d) Mention drugs used in treatment of Rheumatoid arthritis. What is the rationale for use of methotrexate in the treatment of Rheumatoid arthritis ?
- e) Enumerate glucocorticosteroids. Write three therapeutic uses and three adverse effects.
- f) Mention drugs used in Acid peptic diseases. Write the rationale for use of action and therapeutic uses of Omeprazole.

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

(5x5=25)

- a) Classify drugs used in hypertension . Write the rationale for its use in hypertension.
Mention three therapeutic uses and two adverse effects of (Angiotensin Converting Enzyme) ACE-inhibitors.
- b) Classify drugs used in Bronchial asthma. Mention therapeutic indications, routes of administration and adverse effects of Salbutamol.
- c) Classify opioid analgesic drugs . Write the three therapeutic uses , three adverse effects and two contraindications for Morphine.
- d) Classify first line anti tubercular drugs. Write a note on therapeutic uses and adverse effects of Rifampicin.
- e) Classify skeletal muscle relaxants. Write therapeutic uses, adverse effects and uses of succinylcholine.
- f) Name the drugs used in the treatment of organophosphorous poisoning giving rationale for their use.
