

Seat Number

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BP 404 T
Pharmacology-I
(724404)

W-19

P. Pages : 3

Time : Three Hours

Max. Marks : 75

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.

1. Multiple choice question.

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- i) All these drug except one cross BBB.

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|----------------|-------------|
| a) Morphine | b) Dopamine |
| c) Propranolol | d) Ether |
- ii) High plasma protein Binding.

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|------------------------------------|------------------------|
| a) Increase volume of distribution | b) Facilate GFR |
| c) Minimise drug interaction | d) Prolong drug action |
- iii) The causes of reduced bioavailability.

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|-------------------------------|--------------------------|
| a) High first pass metabolism | b) Increased absorption |
| c) Iv drug administration | d) High lipid solubility |
- iv) Which of the following is a phase-II metabolism reaction.

| | |
|----------------|---------------|
| a) Oxidation | b) Reduction |
| c) Conjugation | d) Hydrolysis |
- v) How many drug is eliminated after 4 half lives in first order kinetic.

| | |
|----------|--------|
| a) 84% | b) 93% |
| c) 80.5% | d) 75% |
- vi) All of the following secondary messenger except.

| | |
|-------------------|--------------------------|
| a) Cyclic Amp | b) Inositol triphosphate |
| c) Diacylglycerol | d) G Proteins |
- vii) Post marketing surveillance is also called as-

| | |
|----------------|---------------|
| a) Phase - I | b) Phase - II |
| c) Phase - III | d) Phase - IV |

2. Solve any two.

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- i) Write in detail about new drug discovery process.
- ii) What are parasympatholytic agent. Classify with examples write in detail pharmacology of Atropine.
- iii) Enlist different types of receptor, Explain in detail signal transduction mechanism of GPCR.

3. Solve any seven.

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- i) Define absorption. Discuss the various factors which affect on the rate or absorption.
- ii) Write a note on various route of drug administration.
- iii) Define and classify sedative and hypnotic drug.
- iv) Discuss in detail phases of Biotransformation.
- v) Define and classify parasympathomimetic drugs write about the therapeutic uses of Acetylcholine.
- vi) Define Antagonism. Give in detail its types.
- vii) Classify Antiepileptic drugs add a note on pharmacology of phenytoin.
- viii) Explain stages of Anesthesia.
- ix) Classify centrally muscle relaxant drug and add a note on Diazepam.
