

DO NOT WRITE ANYTHING ON YOUR QUESTION PAPER EXCEPT YOUR ROLL NO.
QUESTION PAPER CONTAINING ANYTHING WOULD BE TREATED AS MALPRACTICE
ANSWER THE QUESTIONS SERIALY AND CONTINUOUSLY

Subject: PHARMACOLOGY (Theory)

Full Mark - 80

Time - 3 Hrs.

1. Answer any six of the following:

(6x5)

- Define biotransformation. Explain the different steps involved in Phase-I reaction.
- Define & classify opioid analgesic. Write the pharmacological action of morphine.
- Define arrhythmia. Classify anti-arrhythmic drugs. Write the mechanism of action, adverse effect & uses of quinidine.
- Write the transducer mechanism of GPCRs.
- Give a note on the pharmacology of para sympatholytic agents.
- Give the classification & pharmacology of the antianxiety drug.
- Write a short note on Histamine.



2. Answer any ten questions:

(10x3)

- Give a note on Nootropic agents.
- Give the classification of anti-viral drugs. Write the mode of action of the anti-herpes drugs.
- How β -sympathomimetics drugs act as a bronchodilator?
- Define and classify antiemetic drugs.
- Why synthetic Estrogen is produced and how it works?
- Write mechanism action, adverse effect, and uses of proton pump inhibitor.
- Write the classification of antiepileptic drugs & write the mechanism action of phenytoin.
- Classify aminoglycoside antibiotics & their therapeutic uses.
- Write mechanism action of digitalis.
- Write about the pharmacological action of atropine.
- Define Gout. Classify anti-gout drugs. Write the mechanism action of Allopurinol.

3. Define the following terms:

(1x20)

- | | | | |
|----------------------|---------------|---------------------|--------------------------|
| a) Drug resistance | b) Receptor | c) Tachyphylaxis | d) Cumulative effect |
| e) Agonist | f) SERMs | g) Bioavailability | h) Acquired tolerance |
| i) Myasthenia gravis | j) Drug abuse | k) Cardiogenic | l) First pass metabolism |
| m) Storage depots | n) Glaucoma | o) Teratogenicity | p) Anti-metabolites |
| q) Idiosyncrasy | r) Inunction | s) Drug interaction | t) Therapeutic index |
