

PHARMACOLOGY

Time Allowed: 3 Hours

Full Marks: 80

(Answer the following questions as directed)

1. Choose the correct alternative (any ten):

1x10=10

- i) Antibiotics which inhibit protein synthesis by binding with 30s ribosomal subunit is: a) Lincosamide b) Tetracycline c) Chloramphenicol d) Erythromycin
- ii) Which is not an example of CCB: a) Verapamil b) Hydralazine c) Nifedipine d) Diltiazem
- iii) Which one is a selective β_2 Adrenergic Receptor Agonist: a) Paracetamol b) Propranolol c) Nabivolol d) Salmeterol
- iv) 'Chronotrope' means: Agent that changes a) myocardial contractility b) Heart rate c) Conduction velocity d) None of the above
- v) Eating of cheese is advised with MAO inhibitor (correct/incorrect)
- vi) Aspirin is used in patient with peptic ulcer (correct/incorrect)
- vii) Atropine produces photophobia (correct/incorrect)
- viii) Example of ulcer protective drug is _____ (Salbutamol/Sucralfate/Famotidine)
- ix) Example of antidiuretic is _____ (Furosemide/vasopressin/Indomethacin)
- x) Example of antiviral drug is _____ (Mebendazole/Acyclovir/Rifampin)
- xi) Histamine causes _____ of vascular smooth muscle (relaxation/contraction)

2. Define the following terms (any ten):

1x10=10

- i) Bioavailability
- ii) Therapeutic Index
- iii) Anorexia
- iv) Plasma half life
- v) Sedative
- vi) First pass metabolism
- vii) Idiosyncrasy
- viii) Prodrug
- ix) Receptor
- x) Mydriasis
- xi) Carcinoma

3. Answer the following questions (any ten):

3x10=30

- i) Write the drugs treatment for Arrhythmia.
- ii) Describe preanaesthetic medication.
- iii) Why is probenecid sometimes given as an adjuvant in penicillin therapy?
- iv) What is myasthenia gravis and its treatment?
- v) What are the different routes of administration of drugs?
- vi) Write about the "DOTs" therapy for TB?
- vii) Write about the combined effect of drugs.
- viii) Why is Potassium salt given along with thiazide diuretics?

- ix) Write the limitations of Penicillin-G.
- x) What is drug absorption and mention the factors affecting it?
- xi) Write the drug treatment for diarrhoea.
- xii) Write about the oral contraceptive drug combinations available for contraception?

4. Answer the following questions (any six):

5x6=30

- i) Classify Adrenergic receptor antagonists with example. Write clinical uses of those drugs
 - ii) Write the MOA of sulphonamides.
 - iii) Write down the treatment of peptic ulcer.
 - iv) Discuss the drugs treatment for malaria.
 - v) What are NSAIDs? Write the use and general side effects of NSAIDs.
 - vi) Write a short note on antifungal drugs.
 - vii) Write the types of seizures in epilepsy and list of drugs used for it.
 - viii) What are anticancer drugs? Classify anticancer drugs along with suitable examples.
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