

RUHS**Second Year MBBS Examination****II MBBS PHARMACOLOGY PAPER I**

Time: 3 hours

Max Marks: 100

Date: 22-12-2022

Instructions: INSTRUCTIONS: Attempt all questions in both sections:
(Use separate answer book for each section)

Section 1**1. Fill in the blanks: (6)**

- a. Enalapril inhibits the enzyme _____
- b. A highly ionized drug is _____ by the kidney.
- c. A drug that competes for active binding site is called _____
- d. Phase 4 clinical trials collect information especially about _____
- e. Beta-blocker with peripheral vasodilator action is _____
- f. The preferred prophylactic drug for a 34 years old female suffering from mania is _____

2. Answer the followings (Multiple Choice Questions): (4)

- a. Which of the following is used in the treatment of Alzheimer's disease: a) Dronabinol B) Donepezil c) Domperidone d) Dobutamine
- b. Which of the following is not a prodrug: a) Dipivefrin b) Captopril c) Phenytoin d) Sulfasalazine
- c. Which of the following drug has highest anticholinergic effect: a) Fexofenadine b) Cinnarizine c) Promethazine d) Cetirizine
- d. Features of opioid intake are all except: a) Feeling of relaxation b) Euphoria c) Analgesia d) Dilated pupil

3. A 24-years-old male presented in emergency in unconscious state.

History reveals frequent episodes of generalized tonic clonic seizures for last 40 minutes and each (15) episode lasting for 3 to 5 minutes.

- a. Classify the drugs for epilepsy.
 - b. Write down the management of the above condition.
 - c. Common investigations required for above condition.
 - d. Write down the adverse drug reactions of phenytoin.
4. Write short notes on (Any five): (10)
- a. Drug antagonism.
 - b. Teratogenic drugs.
 - c. Uses of morphine.
 - d. Adverse drug reactions of aspirin.
 - e. Management of Rheumatoid arthritis.
 - f. Labetalol.
5. Explain briefly (Any three): (15)
- a. Propranolol is used in prophylaxis of migraine.
 - b. Pyridostigmine is used in myasthenia gravis.
 - c. Levodopa is combined with carbidopa.
 - d. SSRIs are preferred over tricyclic antidepressants in management of depression.

Section 2

1. A 62 years old male visited urology department with complaints of frequent need to urinate, difficulty in initiating stream, and sense of incomplete voiding. On rectal (20) examination increase in prostate size was detected. Benign prostate hypertrophy was confirmed on histopathological examination.
- a. Mention the preferred drug for this patient.
 - b. Write down the mechanism of action of this drug.
 - c. Write down the most common side effect of this drug.
 - d. Name two drugs contraindicated in patients of BPH.
 - e. What is the role of finasteride in the treatment of BPH?
2. Write short notes on (Any five): (10)
- a. Management of H.pylori infection.
 - b. Management of organophosphorus poisoning.
 - c. Probiotics.

- d. Management of acute attack of bronchial asthma
- e. Prostaglandin analogues.
- f. Pre-anesthetic medication.

3. Explain Why (Any four): (20)

- a. Sumatriptan is preferred over methylergonovine in migraine.
- b. Ethyl alcohol is used in methyl alcohol poisoning.
- c. Adrenaline is used in anaphylactic shock.
- d. Oximes not used in carbamate poisoning.
- e. Pilocarpine is not preferred first line agent in simple chronic glaucoma.

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