

March - 2023

## BLDE (DEEMED TO BE UNIVERSITY)

### MBBS PHASE – II EXAMINATION

[Time: 3 Hours]

[Max. Marks: 80]

#### PHARMACOLOGY – PAPER – I

QP CODE: 2015

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write question number in left side of margin



#### Long Essay: (Answer to be started on fresh page only)

2 X 10 = 20

1. A person while crossing the road along with his wife suddenly developed seizures in his entire body and fell down. His wife immediately took him to a nearby hospital. The physician on duty took a thorough history of the patient through his wife, where he got to know that the patient was a known case of epilepsy since 5 years and was on regular treatment. The patient was thoroughly examined and subjected to EEG investigation. EEG revealed classical features of generalized tonic clonic seizure. A diagnosis of generalized tonic clonic seizure was made by the physician and prescribed him Tablet Sodium valproate. The patient was asked to visit him after 2 weeks for review.
  - a. Classify Anti-Epileptic drugs.
  - b. Describe the mechanism of action, adverse effects and therapeutic uses of Sodium valproate [2+3+2+3].
2. A 4 year old child was apparently alright till yesterday evening when she developed mild grade fever. The child became irritable. The fever kept on gradually increasing and became severe at midnight. This was noticed by the mother. She immediately called the pediatrician over the phone and described the history of her child. The doctor advised to give paracetamol syrup to the child at that time and visit his clinic in the morning if the fever didn't subside.
  - a. Classify NSAIDs.
  - b. Describe the mechanism of action, therapeutic uses and adverse effects of Paracetamol.
  - c. How do you manage a case of Paracetamol poisoning? [2+2+2+2+2]

**Short Essay: (Answer to be started on fresh page only)****6 X 5 = 30**

3. Opioid antagonists.
4. Mast cell stabilizers in bronchial asthma.
5. COMT inhibitors – Mechanism of action and therapeutic uses.
6. Targeted drug delivery system.
7. Drug therapy of Organophosphorus Compound Poisoning.
8. Compare and contrast - Adrenaline and Noradrenaline.

**Short Answer: (Leave three lines gap between the answers)****10 X 3 = 30**

9. Name 6 drugs which are subjected to First pass metabolism.
10. Ganglion blocking agents – 2 examples, 2 indications.
11. Mention 3 Prostaglandin analogues.
12. Name 3 Teratogenic drugs.
13. Mention 3 therapeutic uses of Alcohol.
14. Therapeutic drug monitoring – Definition, 2 Clinical applications.
15. Mention 3 advantages of Sublingual route of drug administration.
16. Beta adrenoreceptor blockers – 3 Therapeutic uses and 3 adverse effects.
17. Mention 3 drugs used in Benign Prostatic Hypertrophy.
18. What are Enteric coated tablets? Mention their 3 advantages.

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**MBBS PHASE – II EXAMINATION**

[Time: 3 Hours]

[Max. Marks: 80]

**PHARMACOLOGY – PAPER – II**

**QP CODE: 2016**

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write question number in left side of margin



**Long Essay: (Answer to be started on fresh page only)**

**2 X 10 = 20**

1. A 60 year old male is being treated with 5 mg. Lisinopril for his hypertension. During his recent checkup his BP was 150/90 mm Hg. He was diagnosed recently with type 2 diabetes
  - a. Classify the drugs used in the treatment of Hypertension.
  - b. Write the Mechanism of action, adverse effects and therapeutic uses of ACE inhibitors.
  - c. What alternative therapy can be suggested for this patient? . (2M+4M+4M)
2. A 40yr old male reported to district hospital in the evening with episodes of high fever for the past 3 days. The fever lasts 4 to 6 hours and subsides after sweating. Blood smear examination (WIDAL TEST +VE) Positive for S. Typhi. Patient was admitted in the hospital and treating physician prescribed inj. Levofloxacin 500gm intravenous (IV) one time a day along with injection paracetamol IM stat.
  - a. Is the given treatment right and complete?
  - b. Classify Fluoroquinolones.
  - c. What is the mechanism of action, uses and adverse effects of Levofloxacin?
  - d. What is the alternative treatment option for this patients? (2M+2M+4M+2M)

**Short Essay: (Answer to be started on fresh page only)**

**6 X 5 = 30**

3. Write mechanism of action and adverse effects of combined oral Contraceptive pills
4. Aromatase inhibitors- Mechanism of action and therapeutic uses
5. What is GERD? Write pharmacotherapy of GERD
6. Rational for using Beta blockers in the treatment of Angina Pectoris
7. Calcium Channel Blockers-Mechanism of action and therapeutic uses
8. Therapeutic uses and adverse effects of Furosemide

**Short Answer: (Leave three lines gap between the answers)**

**10 X 3 = 30**

9. Name 3 drugs useful in Radical cure of P. Vivax malaria?
10. Pharmacotherapy of Trichomonas Vaginalis.
11. Mention 2 GnRH agonists and 2 GnRH antagonists
12. Name 3 topically used Sulphonamides.
13. Write Non malarial uses of Chloroquine
14. Mention 3 Vasopressin analogues and 3 uses of them
15. Mention 3 Potassium sparing diuretics and 3 adverse effects of them
16. Write pharmacological basis for use of BAL in Arsenic poisoning
17. Mention 3 Tocolytics
18. Write 3 adverse effects of Chloramphenicol