

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 No. in the middle of margin.

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

2x10=20

1. A 7-year-old child was brought to the emergency department with high-grade fever. The paediatrician prescribed Paracetamol syrup.
 - a) Classify Non-Steroidal Anti-inflammatory Drugs (NSAIDs).
 - b) Describe the mechanism of action, therapeutic uses and adverse effects of Paracetamol.
 - c) Explain the management of Paracetamol poisoning. (2+6+2)
2. A 45-year-old farmer was brought to the emergency room after accidental exposure to an organophosphorus insecticide while spraying pesticides. He presented with excessive salivation, sweating, pinpoint pupils, bradycardia and muscle fasciculations.
 - a) Explain the pharmacological basis of the clinical features.
 - b) Describe the mechanism of action and therapeutic role of Atropine and Pralidoxime.
 - c) Mention adverse effects of Atropine. (3+5+2)

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

6 x 5=30

3. Factors affecting drug metabolism
4. Mechanism of action, therapeutic uses and adverse effects of β_2 agonists in bronchial asthma.
5. Compare Benzodiazepines and Barbiturates.
6. Pharmacotherapy of glaucoma.
7. Mechanism of action and therapeutic uses of H_1 antihistamines.
8. Essential elements of effective doctor-patient communication.

Short Answers: (Leave three lines gap between the answers)

10x3=30

9. Advantages and disadvantages of sublingual route.
10. Hoffmann elimination with one example.
11. Drug synergism with two examples.
12. Name three CYP450 enzyme inhibitors.
13. Succinylcholine apnoea and its treatment.
14. Name three drugs producing disulfiram-like reaction.
15. Why should Morphine be avoided in head injury?
16. First-dose phenomenon.
17. Cheese reaction with one example.
18. Name three non-benzodiazepine hypnotics.

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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 No. in the middle of margin.

Long Essay: (Answers to be started on fresh page only) **2x10=20**

1. A 58-year-old hypertensive diabetic patient with heart failure develops pedal edema despite ACE inhibitor therapy.

- a) Classification of drugs used in CHF,
- b) Describe the mechanism of action, therapeutic uses and adverse effects of loop diuretics,
- c) Rationale for combination therapy. (2+6+2)

2. A patient with complicated falciparum malaria is admitted and treated with Artemether.

- a) Classify antimalarial drugs.
- b) Describe mechanism, therapeutic uses, adverse effects of Artemisinin derivatives and current combination therapy. (3+7)

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

- 3. Mechanism and therapeutic uses of ARBs.
- 4. Compare Heparin vs LMWH.
- 5. Pharmacotherapy of GERD.
- 6. Mechanism and adverse effects of Metformin.
- 7. Therapeutic uses and adverse effects Glucocorticoids.
- 8. Rational use of antimicrobials.

Short Answers: (Leave three lines gap between the answers) **10x3=30**

- 9. Name three adverse effects of ACE inhibitors.
- 10. Name three proton pump inhibitors.
- 11. Mechanism of Warfarin.
- 12. Name three uses of Furosemide.
- 13. Define superinfection with suitable example.
- 14. Name three adverse effects of aminoglycosides.
- 15. Name three Ultra-short acting insulin analogues.
- 16. Mechanism of Ondansetron.
- 17. Name three oral iron preparations.
- 18. Therapeutic uses of Lactulose.