

Apr 21-2024

**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 throughout his body and fell down. He was shifted to the nearby hospital. The physician on duty took the history from his wife regarding his condition. The doctor was told that the patient was a known case of epilepsy from past 5 years and was on regular treatment. The physician after thorough history and examination supported by investigations made a diagnosis of generalized tonic clonic seizure and prescribed him Tablet Carbamazepine.

- a. Classify Anti-Epileptic drugs.
- b. Describe the mechanism of action, adverse effects and therapeutic uses of Carbamazepine

[2+3+2+3].

2. A 55 year old male patient was continuously coughing since 1 week. He complained of having shortness of breath and wheezing in the morning. He was taken to the nearby physician who took his history, examined him and subjected him to various investigations. On reviewing the reports, he made a diagnosis of bronchial asthma. He advised admission and prescribed him inhaled corticosteroids. After a couple of days, as the patient's condition improved, he was discharged.

- a. Classify Anti-Asthma Drugs.
- b. Describe the mechanism of action, pharmacokinetics, therapeutic uses and adverse effects of Inhaled Steroids.

[2+2+2+2+2]

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6 X 5 = 30

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

3. Parenteral route of administration of drugs.
4. Beta blockers - Mechanism of action, Therapeutic uses and Contraindications.
5. Drug antagonism.
6. Describe the mechanism of action, therapeutic uses and adverse effects of Succinylcholine.
7. Indications and Adverse effects of Antihistamines.
8. Levodopa.

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

10 X 3 = 30

9. Enlist 3 factors influencing Biotransformation of drugs.
10. Mention 3 uses and adverse effects of Ergot alkaloids.
11. Mention 3 CNS Stimulants.
12. Describe role of Oximes in Organophosphorus Compound Poisoning.
13. Mention 3 Opioid Antagonists.
14. Name 3 drugs excreted in bile.
15. Name 3 drugs used in prophylaxis of Migraine.
16. Name 3 Prostaglandin analogues.
17. Name 3 Second generation anti-psychotics.
18. Ganglion blockers – 2 Examples, 2 Therapeutic uses.

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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 45year old male factory worker weighing 60kg reports to the hospital with cough and expectoration, mild chest pain, weakness and fatigue for the last one month. He also has low grade evening rising fever since 1 week. The sputum was found to be positive for AFB and Xray showed cavitory lesion in the right middle lobe.he was diagnosed as a case of pulmonary tuberculosis.
  - a) Classify Antituberculosis drugs.
  - b) Write mechanism of action, uses and adverse effects of INH.
  - c) Write a note on MDR TB. (3+4+3M)
2. A 78 year old man had previous history of myocardial infarction now presents with exertional breathlessness and palpitations and bilateral pitting oedema, Echocardiography revealed an ejection fraction of 25% a diagnosis of Congestive Cardiac Failure is made.
  - a) Classify the drugs used in Congestive Cardiac Failure
  - b) Write the mechanism of action, uses and adverse effects of Digoxin
  - c) Rationale for using ACE inhibitors in Congestive Cardiac Failure (3+4+3M)

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

**6 X 5 = 30**

3. Write Mechanism of action and therapeutic uses of HMG COA Reductase inhibitors
4. Write Mechanism of action and therapeutic uses of third generation Cephalosporins
5. Explain the mechanism of action and therapeutic uses of Diltiazem
6. Explain the mechanism of action and therapeutic uses of Potassium sparing diuretics
7. Write mechanism of action and therapeutic uses of Bisphosphonates
8. Explain the mechanism of action and adverse effects of Sulfonylureas

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

**10 X 3 = 30**

9. Mention 6 uses of Nitrates
10. Name any 3 topically used Antifungal drugs.
11. Mention 2 GnRH agonists and 2 GnRH antagonists
12. Name any 3 drugs used in Round worm infestation
13. Mention 3 uses and 3 adverse effects of Bromocriptine
14. Write the 3 uses and 3 adverse effects of Amphotericin B
15. Treatment of acute Iron poisoning
16. Name 3 SERMs
17. Pharmacological Basis of adding Penicillin with Probenecid .
18. Ethamsylate- Mechanism of action