

Feb-2024

BLDE (DEEMED TO BE UNIVERSITY)
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 55 year male chronic smoker presents with severe chest pain and sweating, ECG shows classical ST segment elevation. A diagnosis of myocardial infarction is made.
 - a) Classify Fibrinolytics (2M)
 - b) Explain the mechanism of action, therapeutic uses and adverse effects of Fibrinolytics (2M+3M+3M)
2. A 20yr old male reported to district hospital with irregular episodes of high fever for the past 3 days. The fever is preceded by chills and shivering. Fever lasts for 4 to 6 hours and subsides after sweating. Blood smear examination showed presence of intraerythrocytic P. Vivax parasites. On enquiry she informed that she belongs to a village in the tribal area of Madhya Pradesh. She was treated with standard 1.5gm Chloroquine (base) drug over a period of 3 days
 - a) Is the given treatment right and complete? (2M)
 - b) What is the mechanism of action, uses and adverse effects of Chloroquine? (4M)
 - c) Classify the Antimalarial drugs. (2M)
 - d) What is the alternative treatment option for this patients? (2M)

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

6 X 5 = 30

3. Write the mechanism of action, adverse effects of INH.
4. Explain the mechanism of action and therapeutic uses of Calcium Channel Blockers
5. Explain the mechanism of action and therapeutic uses of Carbonic Anhydrase Inhibitors
6. Radioactive Iodine-mechanism of action and contraindications
7. Write the mechanism of action and adverse effects of Ofloxacin
8. Explain the mechanism of action and therapeutic uses of Warfarin

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

10 X 3 = 30

9. Write 3 uses and 3 adverse effects of Bromocriptine
10. Write 3 Parenteral Iron preparations.
11. Write 6 Insulin preparations
12. Write the mechanism of action of Omeprazole
13. Write 3 uses and 3 adverse effects of Ethinylestradiol
14. Pharmacological basis for use of Lactulose is used in hepatic coma
15. Write 3 Bisphosphonates and 3 uses of them
16. Write 3 drug regimen for H. pylori infection
17. Write reason for not using Tetracycline's in children
18. Write 3 uses and 3 adverse effects of Macrolide.

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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 59 year old male patient was continuously coughing since 1 week. He presently complained of having shortness of breath and wheezing. He was taken to the nearby physician who took his complete history and examined him. The patient was subjected to chest X-ray and various pulmonary function tests. On reviewing the reports, a diagnosis of bronchial asthma was made by the physician. As the patient was hypertensive, the physician prescribed him salbutamol and propranolol. The patient was advised to meet him after 2 weeks.
 - a. Classify Anti-Asthma Drugs.
 - b. Describe the mechanism of action, pharmacokinetics and therapeutic uses of Salbutamol.
 - c. Comment on the administration of beta blockers in the above case. [2+2+2+2+2]

2. A 45 year old computer graduate was working in Bangalore since 5 years. He was very satisfied with his job. Of late he was facing many serious issues in his family life. He was very much disturbed, he lost interest in the work he was doing and was totally disoriented from his surroundings. He was extremely sad, highly irritable and had isolated himself from everyone. His colleagues looking at his behavior took him to a physician. The physician took a complete history of the patient, examined him and advised him several investigations. After going through the reports, the physician made a diagnosis of major depression. He later counselled him and prescribed him Tablet Escitalopram.
 - a. Classify Anti-depressant drugs.
 - b. Describe mechanism of action, therapeutic uses and adverse effects of Escitalopram.

[2+3+3+2]

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

6 X 5 = 30

3. Succinylcholine Apnoea - Manifestations, Cause and Management.
4. Disease-modifying Anti-Rheumatic Drugs. (DMARDs)
5. Antitussives.
6. Atropine substitutes.
7. Preanesthetic medication.
8. Plasma half-life.

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

10 X 3 = 30

9. What is Zero Order Kinetics? Give two examples.
10. Name 3 ACE Inhibitors. Mention their 3 therapeutic uses.
11. First dose phenomenon – Drug causing it and its management.
12. Name 6 non-depolarizing skeletal muscle relaxants.
13. Define Placebo. Give 3 examples.
14. Enumerate 3 drugs used in Myasthenia gravis.
15. Mention 6 sources of drugs.
16. Mention 3 antihistamines with their 3 uses.
17. Enumerate 3 consequences of Biotransformation.
18. Mention rationale for avoiding Morphine in patient with Head Injury.