

Jan-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 38 year old computer graduate was working in Bangalore since 5 years. She was very satisfied with his job. Of late she was facing many serious issues in his family life. She was very much disturbed, lost interest in the work she was doing and was totally disoriented from her surroundings. She was extremely sad, highly irritable and had isolated herself from everyone. Her colleagues looking at her behavior took her to a physician. The physician took a complete history of the patient, examined her and advised her several investigations. After going through the reports, the physician made a diagnosis of major depression. He later counselled her and prescribed her Tablet Selegiline.
 - a. Classify Anti-depressant drugs.
 - b. Describe mechanism of action, therapeutic uses and adverse effects of Monoamine Oxidase (MAO) Inhibitors. [2+3+3+2]

2. A 53 year old professor developed blurring of vision and severe headache. He visited his ophthalmologist. His ophthalmologist took his history, examined him and subjected him to various examinations. It was found out that the patient was hypertensive with a vision of 6/60 in both eyes and intraocular tension of 50mm Hg, which was very high from the normal value. After going through his reports, the doctor made a diagnosis of primary open angle glaucoma and prescribed him Latanoprost eye drops.
 - a. Classify drugs used in the management of Glaucoma.
 - b. Describe the mechanism of action, pharmacokinetics, therapeutic uses and adverse effects of Latanoprost. [2+2+2+2+2]

[PTO]

Jan-2023.

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

6 X 5 = 30

3. Second generation Anti-histaminics.
4. ACE Inhibitors – Mechanism of action, therapeutic uses and adverse effects
5. Volume of distribution of drugs.
6. Selective Beta-2 agonists in the management of Bronchial asthma.
7. Management of Acute Barbiturate poisoning.
8. Factors modifying drug action.

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

10 X 3 = 30

9. Zero order kinetics of elimination - Define, Give 2 examples of drugs that follow it.
10. What is Expectorant? Give 3 examples.
11. Define Tachyphylaxis. Give two examples
12. Mention drugs used in Absence seizure.
13. Name 3 drugs causing Drug induced Parkinsonism.
14. Mention 3 drugs used in Acute gout and 3 drugs used in Chronic gout.
15. Mention 2 Merits & 2 demerits of Propofol.
16. Name 3 centrally acting Skeletal muscle relaxants. Mention their 2 uses.
17. Define Loading dose & maintenance dose.
18. What is Succinylcholine apnea? What is the treatment?

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PHARMACOLOGY – PAPER – II

QP CODE: 2016

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

2 X 10 = 20

1. A 65 year old women is being treated with 25 mg of Hydrochlorothiazide for her hypertension. During her most recent checkup her blood pressure was 166/94mmHg
 - a) Classify Diuretics (3M)
 - b) What is the mechanism of action, uses and adverse effects of Thiazides (3+2+2M)
2. 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 X-ray showed cavitary 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 Rifampicin.
 - c) Write a note on short course Chemotherapy. (3+4+3M)

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

6 X 5 = 30

3. Parenteral Iron therapy, indications and adverse effects
4. Therapeutic uses and adverse effects of HMG COA Reductase inhibitors
5. Rational for using Beta blockers in the treatment of Angina pectoris
6. Write the mechanism of action and adverse effects of Ciprofloxacin
7. Write therapeutic uses and adverse effects of Heparin
8. Write mechanism of action, therapeutic uses of Azithromycin

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

10 X 3 = 30

9. Insulin- mechanism of action.
10. Pharmacological basis of using Lactulose in hepatic coma
11. Give reason for Tetracycline's being not preferred in children
12. Clomiphene Citrate - Mechanism of action
13. Pharmacological basis for combining Imipenem with Cilastatin
14. Write 3 uses and 3 adverse effects of Co-trimoxazole
15. Rationale for using Nitrates in Cyanide poisoning
16. Write 3 drug regimen for H. pylori infection
17. Write mechanism of action of Rabeprazole
18. What is the rationale for the use of Sucralfate in peptic ulcer treatment?

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MBBS PHASE – II EXAMINATION

Jan - 2023

[Time: 3 Hours]

[Max. Marks: 100]

PHARMACOLOGY – PAPER – I

QP CODE: 2005

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each Question should be written on new page only.

Write Question No. in left side of margin.

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

2 x 10 = 20

1. Define Bio-availability. Describe various factors affecting Bio-availability of drugs.
2. Classify Anti-epileptic drugs. Describe mechanism of action, therapeutic uses & adverse effects of Valproic acid.

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

10 x 5 = 50

3. Plasma half life of drugs and its significance.
4. Therapeutic Index and the significance.
5. Pharmacotherapy of glaucoma
6. Pharmacological Basis for use of Atropine in OP poisoning.
7. Pharmacological basis of use of Levodopa + Carbidopa in parkinsonism.
8. Therapeutic uses of ACE Inhibitors.
9. Potassium sparing diuretic- mechanism of action and therapeutic uses.
10. Therapeutic uses of Benzodiazepines.
11. Advantages and disadvantages of Propofol.
12. Mechanism of action and Adverse effects of Warfarin.

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

10 x 3 = 30

13. Name 3 prodrugs.
14. Name three G-protein coupled receptors.
15. Write three contra-indications to use of Morphine.
16. Name three Anti-thrombotic drugs.
17. Write three drugs useful in PSVT.
18. Write three therapeutic uses of Adrenaline.
19. Write three therapeutic uses of Ethyl alcohol
20. Three advantages of Ketamine
21. Name three SSRI.
22. Write three therapeutic uses of Beta blockers.

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MBBS PHASE – II EXAMINATION

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[Time: 3 Hours]

[Max. Marks: 100]

PHARMACOLOGY – PAPER – II

QP CODE: 2006

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each Question should be written on new page only.

Write Question No.in left side of margin.

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

2 x 10 = 20

1. Describe types of mechanism of action, Therapeutic and adverse effects of Aminoglycosides
2. Classify Anti-thyroid drugs. Describe mechanism of action, therapeutic uses and adverse effects of I¹³¹.

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

10 x 5 = 50

3. Therapeutic uses and adverse effects of Gluco-corticoids.
4. Therapeutic uses of Amoxicillin.
5. Metformin- Mechanism of action and therapeutic uses.
6. Doxycycline- Mechanism of action and therapeutic uses
7. Dapsone- Mechanism of action and Adverse effects.
8. Rifampicin- mechanism of action & therapeutics
9. Metronidazole Mechanism of action & adverse effects
10. Oxytocin- Mechanism of action and therapeutic uses.
11. Therapeutic uses of Prostaglandins
12. PPIS.

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

10 x 3 = 30

13. Name three Anti-malarial drugs.
14. Three advantages of second generation Anti-histamines.
15. Three anti retroviral drugs.
16. Three systemic anti-fungal drugs.
17. Three Alkylating agents.
18. Three Anti-emetic drugs.
19. Three Inhaled Bronchodilators.
20. Three uses of BAL.
21. Three drugs useful in Gout.
22. Three Mucolytic agents