

Date: 27-04-2022

0422 E111

Second Year MBBS Examination

II MBBS Pharmacology Paper 1

Time: 3 hours

Max Marks: 100

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

Section 1

1. Answer any one of the following

a) (10)

Enumerate the drugs used for treating hypertension with suitable examples.

Write the mechanism of action of Angiotensin Converting Enzyme

inhibitors with their advantages and

disadvantages. (5+3+2=10)

b)

Enumerate the drugs used for the

treatment of Parkinson's Disease.

Write the mechanism of action of dopamine. What are the advantages and disadvantages of levodopa and carbidopa combination. (5+3+2=10)

2. Answer any two of the following:

a) (12)

An adult male aged 42 years have come to the emergency with unconsciousness frothing from mouth. On physical and laboratory investigations he is confirmed to be a case of organophosphorus poisoning. Describe the management of this patient and the rationale of prescribing these drugs for this patient.

b)

A lady presented with bronchospasm, low blood pressure, sweating, feeble pulse after consuming seafood. On examination she is diagnosed to be a case of anaphylactic shock. Describe

the drug management of this patient.

Mention the rational use and mode of administration of these drugs.

c)

A young boy aged 19 years was brought to casualty with history of loss of consciousness & convulsions. He is diagnosed to be suffering from generalised tonic-clonic seizure. Enumerate the group of anti-epileptic drugs with suitable examples. Write the Adverse Drug Reactions of phenytoin. Why is therapeutic drug monitoring necessary for these drugs.

3. Write short note on any three of the following:

a)

(18)

Drug tolerance

b)

Bioavailability of drugs

c)

Biocransibrmation of drugs

d)

Drug receptors

4. Answer any five of the following briefly:

a)

(10)

What are Pro-drugs. Give suitable examples.

b)

How are iatrogenic diseases caused?

c)

What is the importance of Ethics in clinical practice?

d)

Mention H-I blockers with their clinical uses.

e)

What is penicillamine? Mention its clinical use.

f)

Write the names and indications of Z-drugs.

Section 2

5. Answer any one of the following

a) (10)

Enumerate the drugs used for treating Rheumatoid Arthritis with suitable examples. Write the mechanism of action of Disease Modifying Anti Rheumatoid Drugs with their common adverse drug reactions. (5+3+2=10)

b)

Enumerate the drugs used in Schizophrenia, Write the advantages of atypical anti-psychotics with their common adverse drug reactions.

6. Answer any two or the following: (5+3+2=10)

a) (12)

A 27 year old primigravida during her 1st trimester antenatal check-up is found to be suffering from anemia with ankle edema. Write the management for this patient. What are

the common adverse drug reactions of oral iron therapy?

b)

A 60 year old smoker driver suffers from severe left sided chest pain. He was rushed by his family members to emergency services where he is diagnosed to be a case of acute myocardial infarction. How would you manage this patient? Mention the rationale of use and their suitable route of administration of these drugs.

c)

A 55 year old lady visits eye OPD with pain and diminished vision of the left eye since last 2 days. Her intraocular pressure is raised on examination, write the drugs used in glaucoma. Write different uses of Acetazolamide

7. Write short note on any three of the following:

a)

(18)

Use of statins with suitable examples.

b)

Nasal decongestants commonly employed.

c)

Nitrates and their uses

d)

Selective Serotonin Reuptake Inhibitors and their uses.

8. Answer any five of the following briefly:

a)

(10)

Mention the drug used in Paracetamol poisoning.

b)

Write the pharmacological actions of aspirin with doses

c)

Write the uses of Low Molecular Weight Heparin.

d)

Uses of Adrenaline with lignocaine as local anesthetic.

e)

Name the Potassium sparing diuretics and their indications

f)

Mechanism of action of Benzodiazepines with their uses

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