

**Madhya Pradesh Medical Science University,
Jabalpur
MBBS Second Professional Examination 2022
Subject- Pharmacology
Paper- II**

Time: 3:00 Hours

Maximum Marks :100

Instructions:

- a) All questions are compulsory
- b) Draw diagrams wherever necessary
- c) Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.
- d) Do not write anything on the blank portion of question paper, if written anything such type of act will be considered as an attempt to resort to unfair means

Long Answer questions 2 X 10 = 20

Q1.

- a. (i) Classify anti-malarial drugs.
(ii) Mechanism of action and Pharmacological actions of chloroquine.
(iii) Therapeutic uses and adverse effects of chloroquine.
- b. Classify Insulin and Oral Hypoglycaemic Drugs.
Write in brief about DPP-4 inhibitors.

Short Answer Questions 4 X 5 = 20

Q2.

a. Discuss the mechanism of action, therapeutic uses and unwanted effect of phenytoin.

b. A 60-year-old lady is suffering from rheumatoid arthritis and has been prescribed prednisolone.

Answer the following:

i. What is the mechanism of action of glucocorticoids?

ii. Name two glucocorticoids which have no mineralocorticoid activity.

iii. Enumerate the adverse effects that you expect in this patient.

c. Classify macrolide antibiotics. Describe briefly its mechanism of action and mention four uses.

d. Classify H₁ anti-histamines. Enumerate their therapeutic use.

e. Classify Anti-Psychotic Drugs. Write in brief about adverse drug reactions of Anti-Psychotic Drugs.

f. Classify Penicillins. Describe their therapeutic uses and adverse effects.

Very Short Answer Questions 1 X 10 = 10

Q3.

a. Explain why - Ethyl alcohol is used in methyl alcohol poisoning.

b. Explain why- Bromocriptine is effective even after Levodopa fails in Parkinsonism.

c. Describe the pharmacological basis of using Lignocaine as local anaesthetics.

~~d. Mention two drugs for prevention of AIDS in the new~~

born.

- e. Multidrug therapy of paucibacillary leprosy..
- f. Enumerate four chelating agents.
- g. Enumerate four viral vaccines.
- h. Drug therapy of Migraine.
- i. Describe the pharmacological basis of using Lithium in Mania.
- j. Explain why -Levodopa is not given with Vitamin B6.

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