

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

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**

Q1. Long Answer questions 2 X 10 = 20

- a. 30-year-old female patient comes to OPD with complaints of headache, dizziness and palpitations. On examination the pulse rate was found to be 110/min and BP-160/100 mmHg. The patient was diagnosed to have essential hypertension.
 - a. Classify antihypertensive drugs.
 - b. Role of B-blockers in the treatment of hypertension.
 - ~~c. Role of Diuretics in the treatment of hypertension.~~

- d. Role of ACE inhibitors in the treatment of hypertension
- e. Which drugs are used for treatment of hypertensive crisis?
- f. Which antihypertensive drugs are safe during pregnancy?
- b. Classify B- adrenergic receptor blockers. Describe pharmacological actions, therapeutic uses and adverse effects of B- adrenergic receptor blockers.

Q2. Short Answer Questions 4 X 5 = 20

- a. Prokinetic Drugs.
- b. HMG COA reductase inhibitors.
- c. Mechanism of action & therapeutic uses of proton pump inhibitors.
- d. Drug therapy of myocardial infarction.
- e. Clinical significance of plasma half-life.
- f. Describe the role of physician in health care system.

Q3. Very Short Answer Questions 1 X 10 = 10

- a. Justify use of epinephrine in anaphylactic shock.
- b. Why low dose dopamine is used in acute renal failure?
- c. Differences between d-tubocurarine & succinylcholine.
- d. Why antihistamines are not used for treatment of bronchial asthma?
- e. Why low dose aspirin is used as antiplatelet agent?
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- f. Explain the pharmacological basis of using lactulose in hepatic coma.
- g. Describe mechanism of action of warfarin as anticoagulant agent.
- h. Explain why amiodarone is called broad spectrum antiarrhythmic agent?
- i. Mention important advantages & disadvantages of prodrug.
- j. Justify use of frusemide in acute left ventricular failure.

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