

**Q.P.CODE:M1028010****Dr YSR UNIVERSITY OF HEALTH SCIENCES: VIJAYAWADA- 520008****MBBS DEGREE EXAMINATION - JANUARY, 2024****SECOND M.B.B.S. EXAMINATION****PHARMACOLOGY-PAPER-I****(Theory Questions)****Time: 2 Hour 40 Minutes****Max Marks: 80****Note: Answer all questions.****Draw a neat diagram wherever necessary**

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**SECTION-II (THEORY QUESTIONS – 80 MARKS)****WRITE ESSAY ON THE FOLLOWING:****2 X15 = 30**

1. Classify adrenergic drugs. Explain the mechanism of action, uses and adverse effects of adrenaline. Discuss the management of anaphylactic shock

(4+2+4+2+3)

2. Classify drugs used in management of angina. Write the mechanism of action and adverse effects of nitrates. What is nitrate tolerance and how it can be overcome? Discuss the management of myocardial infarction

(3+3+2+3+4)

**WRITE SHORT NOTES ON THE FOLLOWING:****10x5=50**

3. Enumerate the factors affecting absorption of drugs

5. List the different types of drug antagonism with suitable examples

4. What are the advantages of benzodiazepines over barbiturates

6. A patient is admitted with history of restlessness, violent behaviour and incoherent speech. He was earlier diagnosed with bipolar disorder and is on

medications. What is the management of bipolar disorder? What pharmacotherapy needs to be administered for the present acute episode?

7. List the uses and adverse effects of loop diuretics

8. A 20 year old woman complains of 1-2 episodes of one sided headache every month affecting her routine work. Describe the management of migraine for this woman

9. Give the rational for combining levodopa with carbidopa. What advice needs to be given to the patient when prescribing this combination

10. What are the ways to prevent adverse reactions to drugs

11. Mention three therapeutic uses of prostaglandins with examples

12. Write the mechanism of action, uses and adverse effects of sodium valproate

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