

**Q.P. CODE: 505-A**  
**DR NTR UNIVERSITY OF HEALTH SCIENCES ::**  
**VIJAYAWADA-8**  
**M.B.B.S. DEGREE EXAMINATION - MAR./APR. 2005**  
**SECOND M.B.B.S. EXAMINATION**  
**PHARMACOLOGY - PAPER I (NEW REGULATIONS)**

Time: 2 Hours

Max. Marks: 40

**Note: Answer ALL Questions. Give diagrammatic representation wherever possible.**

1) What is Bioavailability ? Describe the factors influencing bioavailability and absorption of drugs administered by oral route. (10)

**Write short notes on:**

5 x 4 = 20

2) Mechanism of action of Succinylcholine.

3) Drugs used in therapy of status epilepticus.

4) Therapeutic uses and adverse effects of Alpha blockers.

5) Ketamine - Uses and disadvantages.

6) Enumerate Vasodilators used in Hypertension. What is the action and role of Sodium Nitroprusside in Hypertension?

**Write briefly on:**

5 x 2 = 10

7) Physostigmine is preferred to Neostigmine in the treatment of acute atrophine poisoning. Give reasons.

8) ~~Two therapeutic uses and two contraindications for use~~

of Mannitol.

- 9) Enumerate two classes of drugs used in Parkinsonism.
- 10) Rationale for the use of Verapamil in the treatment of Atrial Fibrillation.
- 11) Explain why Pentazocine is contraindicated in acute myocardial infraction.

**X-X-X**

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