

Sl.No. M22315

Course Code: 3290202

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM  
(Deemed to be University)**

**DIPLOMA IN OPERATION THEATRE TECHNOLOGY AND  
ANAESTHESIA TECHNOLOGY EXAMINATION - February 2020  
Second Year**

**CLINICAL PHARMACOLOGY**

Time: Three hours

Maximum: 75 marks

**I. Write an essay on any ONE of the following: (1 x 20 = 20)**

1. What is inducing agents? Give examples. Explain the dose, mode of administration, metabolism and excretion of thiopentone sodium
2. Classify Narcotics, Write about the pharmacological actions and uses of Fentanyl.

**II. Write short notes on any TWO of the following: (2 x 10 = 20)**

3. Write about preanaesthetic medication & drugs used in it.
4. Write about the role of local anaesthetics & uses.
5. Classify antihypertensives and write in detail about Vasodilators.
6. Mention inhalational gases in anaesthesia and write in detail about Nitrous oxide.

**III. Write short answers on any SEVEN of the following: (7 x 5 = 35)**

7. Define sedatives, write about uses of Midazolam.
8. Pharmacological action & uses of Dopamine.
9. Write in detail about non-depolarising muscle relaxants.
10. Give examples of H<sub>2</sub> antihistamines & write about their uses.
11. Write about role of hydrocortisone in Emergency.
12. Mannitol and its pharmacological action & uses.
13. Ondansetron – Mechanism of action & uses.
14. What drug is Amlodipine? How does it act?
15. Mode of administration and uses of salbutamol.
16. Explain the Role of betablockers in Arrhythmia.

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