Q P Code: 203002   **Reg. No.: ....**

Second Year BDS Degree Supplementary Examinations January 2019

General & Dental Pharmacology and Therapeutics
(2010 Scheme)

Time: 3 hrs   Max marks: 100

- Answer all questions
- Draw diagram wherever necessary

Essay   **(2x14=28)**

1. Enumerate eight groups of antihypertensive agents with suitable examples. Explain the mechanism of action and adverse effects of any one. Outline the management of anaphylactic shock.   (8+2+2+2)

2. Classify glucocorticoid preparations based on the duration of actions with suitable examples. Explain their actions, uses and adverse effects.   (3+4+4+3)

Short essays   **(4x8=32)**

3. Explain the mechanism of action, uses and adverse effects of warfarin. How do you manage warfarin over dosage.   (2+2+2+2)

4. Name four intravenous general anesthetics. Mention the merits and demerits of any one. Add a note on conscious sedation.   (2+4+2)

5. Classify antiretroviral agents with suitable examples. Mention the adverse effects of any one. Add a note on post exposure prophylaxis against HIV infection.   (4+2+2)

6. Define bioavailability. Explain the factors affecting it.   (2+6)

Short notes   **(10x4=40)**

7. Name two drugs used in two different types of generalized seizures. Name a drug with route of administration useful in febrile convulsions.

8. Name any four synthetic opioids. Explain why the use of morphine is contraindicated in patients with head injury.

9. Define the terms "agonist" and "antagonist". Enumerate two types of drug antagonism with suitable examples.

10. Explain the therapeutic uses of benzodiazepines.

11. Name four beta blockers and their uses

12. What are obtundents. Write examples and uses

13. Mention the devices used for the use of drugs by inhalational route in bronchial asthma. Explain the advantages of inhalational route in bronchial asthma.

14. The mechanism of action and uses of ondansetron.

15. Explain the mechanism of action of penicillins. Mention the rationale for the combination of amoxicillin with clavulanic acid.

16. Calcitriol.

****