

Q P Code: 213002

Reg. No.:

Second Year BDS Degree Supplementary Examinations January 2020

**General & Dental Pharmacology and Therapeutics
(2016 Scheme)**

Time: 3 hrs

Max marks: 70

- Answer all questions
- Draw diagram wherever necessary

Essays: (2x10=20)

1. Classify beta-lactam antibiotics with suitable examples. Explain the mechanism of action of these drugs. (8+2)
2. Define bioavailability. Explain the various factors that affects the bioavailability of drugs. (1+9)

Short Notes: (4x5=20)

3. Nasal decongestants
4. Name two calcium preparations. Explain role of vitamin D in calcium metabolism (1+4)
5. The advantages and disadvantages of transdermal route of drug administration. Mention two drugs given by this route. (4+1)
6. Explain the mechanism of action, uses and adverse effects of valproic acid. (2+2+1)

Answer Briefly: (10x3=30)

7. Explain superinfection with suitable examples.
8. Mention three anticholinesterases and explain the use of any one
9. Name three calcium channel blockers. Mention three uses for the same
10. Explain the mechanism of action and uses of metformin
11. Disclosing agents
12. Name two fibrinolytics. Mention their uses and adverse effects
13. Explain the mechanism of action and uses of acyclovir
14. Compare and contrast: morphine and diclofenac
15. Outline the treatment of diabetic ketoacidosis
16. Styptics
