

Second Year BDS Degree Supplementary Examinations August 2024

General & Dental Pharmacology and Therapeutics
(2016 Scheme)

Time: 3 hrs

Max marks: 70

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw Diagrams wherever necessary.

Essays:**(2x10=20)**

1. Mention four nonsteroidal anti-inflammatory agents. Enumerate the mechanism of action, therapeutic uses and adverse effects of any one. Mention two non-steroidal anti-inflammatory drugs that can be given by parenteral route. (2+2+3+2+1)
2. Explain ten factors that modify drug action.

Short Notes:**(4x5=20)**

3. Mention four classes of antihypertensives giving suitable examples. Mention two antihypertensives which can be used in pregnancy.
4. Mention four tetracyclines. Enumerate the mechanism of action, two uses and two adverse effects of any one of them.
5. Enumerate four classes of drugs used in the treatment of angina pectoris with suitable examples. Explain the mechanism of action of any one of them.
6. Classify oral antidiabetic drugs with suitable examples.

Answer Briefly:**(10x3=30)**

7. Write briefly on the post-exposure prophylaxis of HIV infection.
8. Classify sympathomimetic drugs based on their therapeutic uses with suitable examples.
9. Enumerate the differences between first order and zero order kinetics with suitable examples.
10. Explain how fluorides prevent dental caries. Add a note on fluoride toxicity.
11. Mention two uses of furosemide. Why is furosemide combined with spironolactone.
12. Compare and contrast: metoclopramide and domperidone.
13. Outline the management of anaphylactic shock.
14. Write briefly on inhalational corticosteroids.
15. Explain one regimen used in the treatment of Plasmodium vivax malaria. How do you achieve radical cure in vivax malaria.
16. Enumerate three drugs used in preanaesthetic medication with rationale for each.
