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

Second Year BDS Degree Supplementary Examinations – January 2017

GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS

Time: 3 hrs **Max marks: 100**

- Answer all questions
- Draw diagram wherever necessary

Essay **(2x14=28)**

1. Define the terms agonist and antagonist with a suitable examples. Explain the differences between competitive and non-competitive antagonism and give one example for each. Add a note on drug synergism. (3+7+4)

2. Enumerate six aminoglycosides. Explain the mechanism of action, common adverse effects and therapeutic uses of any one. Define super infection and mention two drugs causing this. (3+3+3+3+2)

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

3. Mention four first line anti tubercular drugs and list two specific adverse effects for each. (8)

4. Classify NSAIDs based on their mechanism of action with suitable examples. Explain two uses and two adverse effects of any one of them. (4+4)

5. Enumerate four benzodiazepines. Mention two uses and explain the pharmacological basis for any one use. Give reasons why benzodiazepines are preferred over barbiturates for treating insomnia. (2+2+1+3)

6. Classify adrenergic agonists based on their therapeutic uses with suitable examples. Mention one use of adrenaline and explain the rationale for the same. (6+2)

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

7. Mention four objectives of pre anesthetic medication.

8. Explain the bronchodilating action of salbutamol and mention two adverse effects of the drug.

9. Mention any two low molecular weight heparin and list two advantages over heparin.

10. Mention mechanism of action and two adverse effects of one commonly used local anesthetic.

11. Classify oral anti diabetic drugs with examples.

12. Dentifrices.

13. Enumerate four reversible anticholinesterases. Explain two uses of any one of them.

14. Adverse effects and clinical uses of metronidazole.

15. Explain how plasma level of calcium is regulated with the help of a diagram.

16. Metoclopramide.

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