

**Q.P. Code: 201001****Reg. no.: .....****Second Professional MBBS Degree Examinations, February 2015****Pharmacology- Paper I****Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essays:****(2x6=12)**

1. Enumerate four groups of non-steroidal anti-inflammatory drugs with the example each. Describe the pharmacological actions, adverse effects and therapeutic uses of any one of them. (2+2+1+1=6)
2. Read the clinical problem and answer the following question: Mr.Shankar, 54 years suddenly developed severe chest pain. He was a diabetic and admitted in the ICCU with the diagnosis of acute myocardial infarction,
  - List the drug to be started immediately after acute myocardial infarction.
  - Write the mechanism of action and two adverse effects of fibrinolytics
  - Name the analgesics used to relieve pain and its rationale for the same (2+ 2+ 2 = 6)

**Short notes:****(5x3=15)**

3. Atropine
4. Drug antagonism.
5. Halothane
6. Diazepam
7. Heparin.

**Answer briefly:****(5x1=5)**

8. Two uses and two adverse effects of propranolol.
9. Explain briefly why physostigmine is preferred over neostigmine for the treatment of glaucoma.
10. Rationale of using terazosin in benign prostatic hypertrophy
11. Mechanism of action of lignocaine.
12. Teratogenicity with one example.

**Name two drugs:****(8x1=8)**

13. Angiotensin converting enzyme inhibitor
14. The treatment of migraine.
15. Nasal decongestants.
16. The treatment of cardiac failure.
17. Ototoxic diuretics.
18. Short acting agents for insomnia.
19. Treatment of methanol poisoning.
20. Opioid antagonist.

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