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Q.P. Code: 201001 **Reg. no.: .....**

Second Professional MBBS Degree Examinations, February 2016

Pharmacology- Paper I

Time: 2 Hours **Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

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

1. Enumerate four groups of antiepileptic drugs with examples of each. Mention four newer anti epileptics. Describe the pharmacological actions, adverse effects and therapeutic uses of any one of them. (2 + 2+ 2 = 6)
2. Read the clinical problem and answer the following question: Master. Vijay, 12 years had severe fever for the past 3 days and he was under treatment with antibiotics and analgesics. He developed severe pain in the stomach after taking the analgesics and he was admitted to the Hospital for severe gastritis
   - List four groups of analgesics and antipyretics that produces gastritis ,
   - Mention the mechanism of action and advantages of propionic acid derivatives
   - Name two selective COX-2 inhibitors and its advantages (2+ 2+ 2 = 6)

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

3. Therapeutic uses of adrenergic drugs.
4. Dopamine in cardiogenic shock.
5. Bioavailability.
6. Mechanism of action of loop diuretics.
7. Rationale of ethanol in methanol poisoning.

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

8. Explain why morphine is contraindicated in patients with head injury.
9. Two uses and two adverse effect of nifedipine.
10. Mechanism of action of diazepam.
11. Plasma half life and its clinical relevance.
12. Nitrates in acute attack of angina.

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

13. Fibrinolytics.
14. Treatment of rheumatoid arthritis.
15. Hyperlipidemia.
16. Hypertensive emergencies.
17. Parkinson's disease
18. Causing teratogenicity
19. Management of organophosphorus poisoning.
20. Migraine.

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