

**XS-109**

**D/ME-02012138**

**Second Year M.B.B.S. Examination**

**January-2015**

**Pharmacology : Paper – I**

**(New)**

**Faculty Code : D/ME**  
**Subject Code : 02012138**

**Time : 3 Hours]**

**[Total Marks : 40**

- Instructions :** (1) Write precise and legible answer.  
(2) Write answers to each section in separate answer books.

**SECTION – 1**

1. Write any **one** of the following : **8**
- (a) Classify sympathomimetic drugs on the basis of their therapeutic use. Write the therapeutic uses and adverse effects of Adrenaline.
- (b) Define Biotransformation. Explain enzyme induction and enzyme inhibition with suitable examples.
2. Write short notes on any **two** of the following : **6**
- (a) Atropine substitutes in therapeutics
- (b) Teratogenicity
- (c) Dissociative anaesthesia
3. Answer the following : **6**
- (a) Name two atypical antipsychotic drugs with two advantages over typical antipsychotic drugs.
- (b) Write two clinical uses of morphine.
- (c) Define the term “acute tolerance” with suitable example.
- (d) Explain the mechanism of action of leflunomide used in the treatment of rheumatoid arthritis.
- (e) What is first dose effect of prazosin ? How we can reduce it ?
- (f) Enumerate four Selective Serotonin Reuptake Inhibitors (SSRIs).

## SECTION – II

4. Describe any **one** of the following : **8**
- (a) Pharmacotherapy of Congestive cardiac failure.
  - (b) Pharmacotherapy of Iron deficiency anaemia.
5. Write any **two** of the following : **6**
- (a) Plasma expanders
  - (b) Atenolol
  - (c) Statins
6. Answer the following : **6**
- (a) Mention two names and two advantages of Low molecular weight heparins.
  - (b) Name a choice of drug to terminate the attack of paroxysmal supraventricular tachycardia with its route of administration.
  - (c) Name the antidote of iron overdose. Mention its route of administration.
  - (d) What is the rationale for the use of mannitol in patients with head injury ?
  - (e) Enumerate four competitive neuromuscular blockers.
  - (f) Name two agents used for ocular anaesthesia .
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