



**U-4011**  
**Second Year M. B. B. S. Examination**  
**January – 2012**  
**Pharmacology : Paper - I**

Time :2 Hours]

[Total Marks : 40

**Instructions :**

(1)

<p>नीचे दृष्टावेव निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <input style="width: 100%;" type="text" value="SECOND YEAR M. B. B. S."/></p> <p>Name of the Subject : <input style="width: 100%;" type="text" value="PHARMACOLOGY : PAPER - 1"/></p> <p>Subject Code No. : <input style="width: 20px;" type="text" value="4"/> <input style="width: 20px;" type="text" value="0"/> <input style="width: 20px;" type="text" value="1"/> <input style="width: 20px;" type="text" value="1"/> Section No. (1, 2,.....): <input style="width: 40px;" type="text" value="Nil"/></p>	<p>Seat No. : <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div>
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- (2) Write to the point.
- (3) Give suitable examples if necessary.
- (4) Draw diagram if necessary.

1 Answer the following briefly :

9

- (i) Write two different sources of drug with example.
- (ii) "Placebo" - explain with one example.
- (iii) Mention two uses of alfa - blockers.
- (iv) Define plasma half - life of a drug. Name a drug with short plasma half-life.
- (v) Define clearance. Mention its clinical significance.
- (vi) Which is drug of choice for pernicious anemia ? Mention its preferred route for administration.
- (vii) What is bioassay ?
- (viii) By which mechanism of action, clonidine act as an antihypertensive agent ?
- (ix) Explain tachyphylaxis with one example.

- 2** Answer any three of the following : **9**
- (i) Classify diuretics. Mention uses and adverse effects of furosamide.
  - (ii) Describe uses of propranolol with the pharmacological basis.
  - (iii) Enlist various H1 antihistaminic agents. Describe their therapeutic status.
  - (iv) Classify various antiemetic drugs. Describe important ADRs and mechanism of action metoclopramide.
  - (v) What is ORS ? Describe various types home-made ORS with their advantages.
- 3** Answer any four of the following : **12**
- (i) Discuss pharmacotherapy of congestive heart failure.
  - (ii) Classify anticoagulants. Compare and contrast heparin and warfarrin.
  - (iii) Enlist various adrenergic agents. Explain their cardiovascular uses.
  - (iv) Describe with suitable examples the following statements :
    - (a) Drug metabolism as a mechanism of termination of drug action.
    - (b) Drug metabolism as a mechanism of drug activation.
  - (v) Enlist various drugs from different categories for peptic ulcer. Describe therapeutic strategy for non-healing peptic ulcer.
- 4** Answer any two of the following : **10**
- (i) Classify various antiarrythmic agents. Describe pharmacotherapy for atrial flutter and PSVT.
  - (ii) Enlist various types of shock. Outline pharmacotherapy for cardiogenic shock following acute MI.
  - (iii) Enumerate various anticholinergic agents. Describe their uses with detailed pharmacological basis.