



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

Time : 2 Hours]

[Total Marks : 40

**Instructions :**

(1)

<p>Fillup strictly the details of a- signs on your answer book.</p> <p>Name of the Examination :</p> <p><input style="width: 90%;" type="text" value="SECOND YEAR M. B. B. S."/></p> <p>Name of the Subject :</p> <p><input style="width: 90%;" type="text" value="PHARMACOLOGY : PAPER - 1"/></p> <p>Subject Code No. : <input style="width: 100px;" type="text" value="H-0"/> -Section No. (1, 2, ... ) : <input style="width: 100px;" type="text" value="Nil"/></p>	<p>Seat No. :</p> <p style="font-size: 1.5em; font-weight: bold;">771-10-17</p> <div style="border: 1px solid black; border-radius: 15px; height: 80px; margin-top: 10px; display: flex; align-items: center; justify-content: center;"> <p>Student's Signature</p> </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 :

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- (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.

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[Contd....

- 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 antiarrhythmic agents. Describe pharmacotherapy for atrial flutter and PSVT.  
  
Enlist various types of shock. Outline pharmacotherapy for carthogenic shock following acute MI.  
  
Enumerate various anticholinergic agents. Describe their uses with detailed pharmacological basis.