

1;11011111111111111111 4111111j110R1

**SA-1565**  
**Second Year M. B. B. S. Examination**  
**February / March - 2011**  
**Pharmacology : Paper - I**

Time : Hours]

[Total Marks :

**Instructions :**

(1)

-[I] saizic-t      CIAI4icilun      r1A\41 LO. Fillup strictly the details of '0- signs on your answer book. Name of the Examination : O- <b>SECOND YEAR M. B. B. S.</b> Name of the Subject : O- <b>PHARMACOLOGY : PAPER - 1</b> Subject Code No. <b>5</b> <b>7</b> 0-Section No. (1, 2, ... ) : Nil
---

Seat No. :

**771-10-17**

Student's Signature

- (2) Write to the point.
- (3) Draw diagram if needed.
- (4) Give example if needed.

1 Answer briefly :

9

- (a) By definition, Partial agonists have \_\_\_\_\_ efficacy than \_\_\_\_\_ agonists. (fill in the blank)
- (b) When we can say that spare receptor do exist ?
- (c) Mention two uses of placebo.
- (d) Iron is contraindicated in \_\_\_\_\_ type of anemia. (Fill in the blank.)
- (e) A patient on \_\_\_\_\_ should avoid cheese in his diet for fear of \_\_\_\_\_. (fill in the blank)
- (f) Mention two contraindications of nasal decongestants which are alpha agonistic in nature.
- (g) Why ipratropium and not atropine is preferred for COPD patient ?
- (h) Name the acute reaction seen with metochlopramide. How it is managed ?
- (i) What is "double blind" in a protocol of clinical trial of a drug ?

SA-1565]

1

[Contd...

- 2 Write any **three** : 9
- Enumerate various therapeutic uses of botulinum toxin. Discuss how it brings benefits for these conditions.
  - Give your comments regarding rationality and limitations on "cough mixtures".
  - Enlist various drugs for angina pectoris. Discuss briefly how nitrates bring benefits for such patient. (Exclude molecular mechanism in your answer).
  - Discuss with suitable examples the concept of competitive and noncompetitive antagonism of drug.
  - Describe with suitable examples the concept of up and down regulation of receptor.
- 3 Answer any **three** : 12
- Explain with suitable examples how OTC drugs can be hazardous in therapeutics.
  - What is home made ORS ? Describe its advantages.
  - Enlist various drugs from different categories for peptic ulcer. Describe briefly the drug therapy of non-healing peptic ulcer.
  - What is "thalidomide tragedy" ? What lesson the world had learnt from that ?
  - Enlist various anticoagulants. Discuss briefly the clinical uses and monitoring of anticoagulant therapy.
- 4 Answer any **two** : 10
- Classify various anticholinergic drugs. Describe their therapeutic uses giving pharmacological basis.
  - Discuss various requirements and limitations of clinical trials.
  - Classify various antihypertensives. Discuss general principles of drug therapy of hypertension. (Your answer should include international society of hypertension (ISH) and JNC-7th report guidelines)