

2nd May, 13

2/5/13

Pharmacology - I Sem - IV (Regular)
Sem IV (Rev) Reg. Pharmacology - I

AGJ 1st half (r) 44

Con. 2604-13.

DC-7078

(2 Hours)

[Total Marks : 40

- N.B. :** (1) Question No. 1 is **compulsory**.
(2) Attempt any **three** questions from **remaining** questions.
(3) **Figures** to the **right** indicate **full** marks.

1. Attempt any **five** of the following :- 10
 - (a) Define Partial agonist and Inverse agonist
 - (b) Explain first-pass effect
 - (c) Compare and contrast between Metoprolol and Cisapride
 - (d) Explain mechanism of action of Vitamin K
 - (e) Rate of passage of drug through membrane is dependent on pH of body compartments. Justify.
 - (f) Explain Tachyphylaxis.

 2. Discuss in detail pharmacotherapy of Megaloblastic Anaemia. 10

 3. (a) Note on G-protein coupled receptors. 5
(b) Elaborate treatment for Inflammatory bowel syndrome. 5

 4. Classify drugs used in the treatment of Peptic Ulcer and explain the pharmacology of each class. 10

 5. Write short notes on (any **two**) :- 10
 - (a) Mention pharmacological and therapeutic uses of coumarin derivatives
 - (b) Drug - distribution
 - (c) Anti-spasmodics
 - (d) Explain factors modifying metabolism and excretion of drugs.
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