

**RK-3714****Second Year M. B. B. S. Examination****November / December - 2018****Pharmacology : Paper - I**

Time : 2 Hours]

[Total Marks : 40

Instructions :

(1)

|                                                            |         |                                |
|------------------------------------------------------------|---------|--------------------------------|
| Fill up strictly the details of signs on your answer book. |         | Seat No. :                     |
| Name of the Examination :                                  |         |                                |
| S. Y. M. B. B. S.                                          |         |                                |
| Name of the Subject :                                      |         |                                |
| PHARMACOLOGY : PAPER - 1                                   |         |                                |
| Subject Code No. :                                         | 3 7 1 4 | Section No. (1, 2, ....) : NIL |
|                                                            |         | Student's Signature            |

1. Answers must be brief, precise and to the point.
2. Always give suitable examples & draw figures where necessary.

**Section - I**

- 1 Answer the following : 10
  - a. What is clearance ?
  - b. Define pro-drug with an example.
  - c. Explain mechanism of action of reserpine.
  - d. What is first dose phenomenon ?
  - e. Mention two advantages of fondaparinux over heparin.
  - f. Name four newer drug delivery system.
  - g. How knowledge of plasma half-life of a drug can be helpful in therapeutics ?
  - h. What is an "orphan drug" ?
  - i. Give two examples of drug with very high therapeutic index.
  - j. Write two uses of acetazolamide.
- 2 Answer any **four** of the following : 8
  - a. Explain potency with the help of diagram.
  - b. What is PSVT ? Mention its drug treatment.

RK-3714 ]

1

[ Contd.....



- c. Outline pharmacotherapy for motion sickness.
- d. How sublingual administration of nitroglycerine brings about relief in acute angina pectoris? Also explain its mechanism of action.
- e. Discuss mechanism of action and side effect of metoclopramide.

#### Section - II

- 3 Answer any **four** of the following : 12
- a. Write short note on myasthenia gravis.
  - b. Classify beta-blockers. Enumerate their therapeutic uses and contraindications.
  - c. Write mechanism of action, uses and advantages of proton pump inhibitors.
  - d. Enumerate various factors affecting action of a drug. Explain any two.
  - e. Explain any three uses of atropine giving pharmacological basis in detail.
- 4 Answer any **two** of the following : 10
- a. Classify various adrenergic agents. Describe in detail management of cardiogenic shock.
  - b. Classify drugs used for bronchial asthma. Write mechanism of action and adverse effects of bronchodilators.
  - c. Compare and contrast fibrinolytics Vs antiplatelet drugs.