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# RAN-3714

## Second Year M.B.B.S. Examination

### March / April - 2019

### Pharmacology - Paper 1

Time: 2 Hours ]

[ Total Marks: 40

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
Fill up strictly the details of signs on your answer book

Name of the Examination:

Name of the Subject :

Subject Code No.:

Seat No.:

     

Student's Signature

(2) Answers must be brief, precise and to the point.

(3) Always give suitable examples &amp; draw figures where necessary.

### SECTION - I

1 Answer the following :

10

- a. What is redistribution phenomenon of a drug ?
- b. Define antagonist with an example.
- c. Mention two differences between phenoxybenzamine and phentolamine.
- d. What is first pass effect? Mention its relationship with bio availability.
- e. Define side effect of a drug.
- f. Name two endothelin receptor antagonist.
- g. How knowledge of Vd can be helpful in therapeutics ?
- h. Explain "coronary steal phenomenon".

- i. Bioavailability of drug by intramuscular route is always higher than oral route. True or false, explain.
- j. Write two uses of magnesium sulphate.

2 Answer any four of the following : 8

- a. Explain efficacy with the help of diagram.
- b. What is ORS? Mention treatment of moderate dehydration.
- c. Which are styptic agents? Mention their therapeutic uses.
- d. Discuss the role of dopamine in cardiogenic shock.
- e. Discuss mechanism of action and side effect of sumatriptan.

### Section - II

3 Answer any four of the following : 12

- a. Discuss drug therapy for GERD. Also mention the non-pharmacological measures for the same.
- b. Enumerate calcium channel blockers. Write their adverse effects & therapeutic uses.
- c. Write mechanism of action and advantages of adenosine.
- d. Enumerate various ferrous salts with their elemental iron content. Mention various indications of parenteral iron therapy.
- e. Describe therapeutic uses of anticholinesterases giving pharmacological basis.

4 Answer any two of the following : 10

- a. Classify various drugs useful in glaucoma. Describe briefly drug therapy for acute congestive glaucoma.
- b. Enlist various sympathomimetics and write their pharmacological actions.
- c. Classify various drugs useful in bronchial asthma. Outline pharmacotherapy of COPD.