



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:

☛ **Second Year M.B.B.S.**

Name of the Subject :

☛ **Pharmacology - Paper 1**

Subject Code No.:

3 7 1 4

Seat No.:

--	--	--	--	--	--

Student's Signature

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

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

SECTION - I

1 Answer the following :

10

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

RAN-3714]

[1]

[P.T.O.]

- 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.
