

**RAN-3714**

SECOND YEAR M.B.B.S. Examination


December / January - 2019 / 2020

PHARMACOLOGY PAPER I

Time: 2 Hours]

[Total Marks: 40

સૂચના : / Instructions

नीचे दृष्टविले  निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी.

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 I

Subject Code No.:

3

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Seat No.:

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Student's Signature _____

Section -I

Q.1. Answer very briefly :

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- Explain synergistic action of drugs giving one example.
- What is a placebo? Where are placebos used?
- Mydriasis produced by phenylephrine is not associated with photophobia. Explain why this is so.
- Why is Mannitol contraindicated in pulmonary edema?
- What is redistribution of a drug? Explain giving suitable example.
- What is a spacer? What are its advantages when used with a Metered dose inhaler (MDI)?
- Why is adrenaline not used in the treatment of congestive cardiac failure despite having a positive inotropic effect?
- What are orphan drugs? Give one example of an orphan drug.
- Why loperamide is not given in children below five years of age?
- Describe the mechanism of action of Alteplase.

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[P.T.O.]

Q.2. Answer any four : 8

- a) Compare and contrast Dopamine & Dobutamine.
- b) Enumerate parenteral iron preparations. Mention the indications for parenteral iron therapy.
- c) Describe in brief the mechanism of action and adverse effects of ACE Inhibitors.
- d) Define 'Zero order kinetics' and 'First order kinetics' of drug elimination. With one suitable example describe their clinical importance.
- e) Describe how a mother should be advised to make and administer 'Home made ORS' to a child suffering from mild dehydration.

Section - II

Q.3. Answer any four of the following: 12

- a) Explain the mechanism of action and adverse effects of thiazide diuretics.
- b) Explain briefly the significance of plasma protein binding.
- c) Describe briefly with preferred agents the clinical uses of prostaglandin analogues.
- d) Write the pharmacotherapy of acute bronchial asthma.
- e) Write a short note on pharmacotherapy of myasthenia gravis.

Q.4. Answer any two of the following : 10

- a) Classify sympathomimetic agents. Describe the therapeutic uses of sympathomimetics with preferred agent for each use you mention.
 - b) Classify drugs used for peptic ulcer. Describe in detail drug therapy of peptic ulcer.
 - c) Enumerate five antihypertensives from different groups. Describe the mechanism and side effects of each drug that you have mentioned.
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