



**RAN-3714**

**Second Year M.B.B.S. Examination**

**July - 2020**

**Pharmacology : Paper - I**

**Time: 2 Hours ]**

**[ Total Marks: 40**

**સૂચના : / Instructions**

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવાળી પર અવશ્ય જખવી.  
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 7 1 4

Seat No.:

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Student's Signature

**Section - I**

**Q.1. Answer very briefly :**

**10**

- What is Therapeutic Index? Give two examples of a drug with low therapeutic index.
- What is the difference between 'side effect' of a drug and 'toxicity' of a drug? Explain giving an example.
- How does pH of urine affect elimination of a drug in urine?
- Explain with reasons whether warfarin can be used for initiation of treatment of deep vein thrombosis.
- Why is Mannitol contraindicated in pulmonary edema?
- Why is codeine not recommended for the symptomatic treatment of productive cough?
- Why is the subcutaneous route not preferred for administration of adrenaline in anaphylactic shock? Which route is preferred?
- Give two examples of drugs that can be administered as transdermal patches.

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[ 1 ]

[ P.T.O. ]

- i) Name the acute reaction with metoclopramide. How is it managed?
- j) Although aspirin has a short half life; it is given once a day for its antiplatelet effect. Give justification for the same.

**Q.2. Answer any four :**

**08**

- a) What is paradoxical tachycardia produced by quinidine? How can it be prevented?
- b) Enumerate two advantages & two disadvantages of second generation antihistaminics over first generation antihistaminics.
- c) Enumerate parenteral iron preparations. Mention the indications for parenteral iron therapy.
- d) Which drugs are used in triple drug therapy in case of relapse of duodenal ulcer? What is the rationale of using three drugs?
- e) Mention two drugs which should not be withdrawn abruptly, giving reasons for the same.

**Section - II**

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

**12**

- a) Describe the treatment of acute congestive cardiac failure.
- b) Enumerate Low molecular weight heparins. What are their advantages and disadvantages?
- c) Describe with preferred agent, the clinical uses of prostaglandin analogues.
- d) Describe the management of organophosphate poisoning.
- e) Classify diuretics. Mention the uses and adverse effects of furosemide.

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

**10**

- a) Enumerate five antihypertensives from different groups. Describe the mechanism and side effects of each drug that you have mentioned.
- b) Enumerate various  $\beta$ - blockers. Describe their uses giving the pharmacological basis for each use you mention.
- c) Enumerate various drugs from different categories used for the treatment of bronchial asthma. Describe their mechanism of action, preferred route of administration and side effects.

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**[ 2 ]**

**[ 90 ]**