



RAN - 2006000102030001

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IInd M.B.B.S. Examination
February - 2021
Pharmacology: Paper - 1 Set-I
Pharmacology IInd MBBS
Time: 2 Hours]
[Total Marks: 40
સૂચના : / Instructions
(૧)

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

Name of the Examination:

IInd M.B.B.S.

Name of the Subject :

Pharmacology: Paper - 1 Set-I Pharmacology IInd MBBS

Subject Code No.: 2006000102030001

Seat No.:

Student's Signature

Section I
Q-1. Answer the following. [1*10=10]

- Define 'Pharmacovigilance' and mention one reason why it should be must.
- Why is ipratropium bromide preferred over atropine for COPD (chronic obstructive pulmonary disease)?
- Name two conditions in which combination of neostigmine and atropine is given?
- Why nedocromil sodium should not be used for treatment of acute attack of asthma?
- Why frequency of administration of antacid administration is more in comparison for required effect?
- Write the drug of choice, its route and time of administration in motion sickness in long journey.

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[1]

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- g. Explain why propranolol should be avoided in Prinzmetal angina?
- h. Give rationale for starting heparin and warfarin together in acute thromboembolic state.
- i. Justify rationale of using Fixed Dose Combination (FDC) Hydrochlorothiazide with spironolactone.
- j. What is the mechanism of action of clonidine in Hypertension?

Q-2. Answer any four of the following. [2*4=8]

- a. What is the effect of changing urinary pH on drug excretion? Give one example for each for increase and decrease in pH.
- b. Enumerate prostaglandin analogues and their therapeutic uses.
- c. Mention various routes of administration of adrenaline with its therapeutic indication.
- d. Enumerate inotropic drugs. Explain the mechanism of action of Digoxin and mention its side effects.
- e. Describe role of inhalational corticosteroids in bronchial asthma and explain why in status asthmaticus bronchodilator is more effective by I/V route rather than inhalational route?

Section II

Q-3. Answer any four of the following. [3*4=12]

- a. What is loading dose and maintenance dose? Explain with appropriate drug example.
- b. Enumerate alfa blockers. Mention uses and adverse effects of Phentolamine.
- c. Explain the concept of bioavailability. Describe various factors affecting bioavailability.
- d. Explain the role of ACE inhibitors in pharmacotherapy of congestive heart failure. What is the status of digitalis in CHF?
- e. Describe in detail different stages of dehydration due to diarrhea. Describe treatment of moderate and severe dehydration.

Q-4. Answer any two of the following. [5*2=10]

- a. Enumerate various iron preparations. Describe important features of handling of iron by body after ingestion. Highlight the importance of these features in relation to therapy of iron deficiency anemia.
- b. Classify cholinomimetic agents. Write in detail about their therapeutic uses giving pharmacological basis of each use and their adverse effects.
- c. Enumerate various drugs from different categories for angina Describe the mechanism of action, limitations, and adverse effects of nitrates for classical angina