



RAN - 2006000102030002

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IInd M.B.B.S. Examination
February - 2021
Pharmacology : Paper - II (Set - III)
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:

IInd M.B.B.S.

Name of the Subject :

Pharmacology : Paper - II (Set - III)

Subject Code No.: 2006000102030002

Seat No.:

Student's Signature

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

- Enumerate four side effects of Aminoglycosides?
- Explain why sulfacetamide is the preferred sulfonamide for topical administration in the eye?
- Mention two advantages of the Bupivacaine over lignocaine as local anesthetic in prolonged anesthesia.
- Explain two pharmacological basis of use of morphine in patient of myocardial infarction.
- Explain why both the oxytocin and ergometrine are not used for abortion?
- What is 'relapse' in cases of malaria? How will you prevent it?
- Name two antibiotics active against Pseudomonas infection.
- Give two reasons for not preferring Lithium for treatment of depression.
- Mention two reasons for which a person is prohibited to drive after alcohol drink.
- Give reason why Vit D but not parathyroid hormone is used for treatment and prevention of rickets.

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

- Explain the pharmacological basis for combining Carbidopa with Levodopa in treatment of Parkinsonism.
- Describe the pharmacological basis of using the Iodides in pre-operative preparation of patients undergoing thyroidectomy.
- Describe with suitable examples the indications for combination of antibiotics in therapeutics.
- Enumerate various drugs from different categories useful in treatment of amoebiasis.
- What is MIC (Minimum Inhibitory Concentration)? Explain Post antibiotic effect with appropriate example.

Section - II

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

- Enlist various macrolides. Describe in detail the difference between older and newer macrolides.
- Classify anti-leprosy drugs. Describe Pharmacotherapy of multibacillary leprosy.
- Classify various sedative hypnotics agents. Describe mechanism of action and advantages of newer non-benzodiazepines compounds.
- Classify various NSAIDs (Non-Steroidal Anti-inflammatory Drugs). Describe uses of Aspirin with pharmacological basis of each use you mention.
- Describe various types of oral contraceptives. What is the rationale of combination of estrogen and progesterone for contraception?

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

- Classify oral anti-diabetic drugs. Explain the mechanism of action, adverse effects and uses of biguanides (metformin).
- Enumerate the first line and the second line drugs for treatment of tuberculosis (classify antitubercular drugs). Write the mechanism of action, uses and adverse effects of rifampicin. Write the short course regimen for TB.
- Enumerate various drugs/agents from different categories showing abuse/addiction potential. Briefly describe the drug therapy of two very commonly prevalent addictions in society.