



**K-4012**

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

**September / October - 2012**

**Pharmacology : Paper - II**

Time : 2 Hours]

[Total Marks : 40

**Instructions :**

(1)

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| -[I] sai2tc-t 4, CiAII4icil'fā r1A441 LO.<br>Fillup strictly the details of a- signs on your answer book.<br>Name of the Examination :<br>O <b>SECOND YEAR M. B. B. S.</b><br>Name of the Subject :<br>O <b>PHARMACOLOGY : PAPER - 2</b><br>4, Subject Code No. : H- 0 -Section No. (1, 2, ... ) : Nil |  |
|--|--|

Seat No. :

771-10-17

Student's Signature

(2) Write to the point.

(3) Give suitable examples and draw diagrams if necessary.

**1 Answer the following briefly:**

[9]

1. What is MAC value in relation to general anaesthetic agent ?
2. Mention four ways to prevent *emergence* of resistance to an antibiotic.
3. What is relapse in case of *P. vivax* malaria ? Name a drug to prevent it.
4. Explain the mechanism of action of sulfonylurease.
5. Mention two limitations of radio-active iodine.
6. Who is known as "father of chemotherapy" ?
7. Enlist two drugs useful in the treatment of lepra-reaction.
8. Explain synergism in relation to MIC value.
9. Name two drugs useful in the treatment of HIV infection.

**2 Answer any three of the following:**

[9]

1. Describe "hormone replacement therapy" in post-menopausal woman.
2. Outline pharmacological differences of morphine and pethidine.
3. Enlist various drugs from different categories for Schizophrenia. Describe ADRs of chlorpromazine in detail.
4. What is the mechanism of action of penicillin ? Discuss therapeutic uses of penicillins.
5. Which are the different sources of insulin ? How will you plan therapy for a patient with FBS 350 mg % ?

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[Contd...

Answer any four of the following:

[12]

1. Enlist drugs useful in parkinsonism which modulate enzymatic action. Mention the rationale for combining levodopa and carbidopa.
2. Which are the different types of OC pills ? Describe the role of ethinyl-estradiol in OC pills.
3. Describe basic mechanism of action and therapeutic uses of NSAIDs.
4. Classify oral antidiabetic agents. Mention mechanism of action and ADRs of biguanides.
5. Enlist various drugs from different categories for migraine. Describe their mechanism of action.

4 Answer any two of the following:

[10]

1. Outline therapeutic uses of glucocorticoids. Which precautions should be taken while using any glucocorticoids ?
2. Describe pharmacotherapy of grandmal epilepsy.
- 1 Which are the possible mechanisms by which a microorganism becomes resistance to AMA ? Describe various precautions to prevent emergence of resistance.