



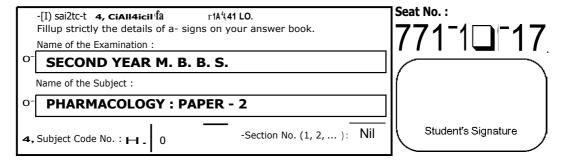
K-4012

Second Year M. B. B. S. Examination September / October - 2012

Pharmacology: Paper - II

Time :2 Hours] [Total Marks : 40 Instructions :

(1)



- (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 M1C 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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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.

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