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Reg. No.

Name.....



**SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION
SEPTEMBER 2010**

PHARMACOLOGY—Paper II

Time : One Hour and Fifty Minutes

Maximum : 34 Marks

*Answer Sections A-II and B in separate answer-books.
Draw diagrams wherever necessary.*

Section A-II

III. Classify Anti Cancer drugs. Write the mechanism of action, two uses and two adverse effects of methotrexate.

(2 + 1 + ½ + ½ = 4 marks)

IV. Write the pharmacological basis for the use of following :

- 1 Diethyl carbamazine in Filariasis.
- 2 Famotidine in peptic ulcer.
- 3 Dapsone in leprosy.
- 4 Tamoxifen in carcinoma breast.

(1 × 4 = 4 marks)

V. Write short notes on :

- 1 Ciprofloxacin.
- 2 Metoclopramide.
- 3 Clomiphene.

(3 × 2 = 6 marks)

Section B

VI. Deepak, 45 years was admitted to the hospital with signs and symptoms of fatigue, polyuria and polyphagia. The blood sugar was 190 mg. The diagnosis was Type II Diabetes Mellitus.

- 1 Write three groups of drugs used for this patient.
- 2 Write their mechanism of action.
- 3 Mention two causes of Insulin resistance.
- 4 Write two advantages of human insulin.

(1½ + 3 + 1 + ½ = 6 marks)

VII. Write two uses and two adverse effects of :

- 1 Tetracycline.
- 2 Gentamicin.
- 3 Ceftriaxone.
- 4 Azithromycin.

(4 × 1 = 4 marks)

Turn over

VIII. Explain the pharmacological basis of using :

- 1 Prednisolone in Lymphatic leukemia.
- 2 Zidovudine in AIDS.
- 3 Tinidazole in Amoebiasis.
- 4 Chloroquine in Malaria.

(4 × 1 = 4 marks)

IX. Write briefly on :

- 1 Omeprazole.
- 2 Lovastatin.
- 3 Rifampicin.

(3 × 2 = 6 marks)