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Reg. No. ....

Name .....

SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION, JUNE 2009

PHARMACOLOGY—Paper II

Time : One Hour and a Half

Maximum : 32 Marks

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

Section A-II

III. Draw a schematic diagram of Bacterial cell and mark the site of action of :

- (a) Streptomycin.
- (b) Vancomycin.

(1 + ½ + ½ = 2 marks)

IV. What is the pharmacological basis of the following :

- 1 Tetracycline contraindicated in pregnancy.
- 2 Clomiphene citrate in infertility.
- 3 Griseofulvin in dermatophytosis.
- 4 Clofazimine in lepra reaction.

(4 × 1 = 4 marks)

V. Write short notes on :

- 1 Prokinetic agents.
- 2 D-penicillamine.
- 3 Azithromycin.

(3 × 2 = 6 marks)

Section B

VI. A 30 year old lady presented with thyroid swelling, exophthalmos, sweating, tremor and loss of weight. Her heart rate was 130 per minute.

- 1 Name one drug to be administered to relieve her symptoms. Give the rationale, dose and route of administration.
- 2 Name two specific drugs which you can prescribe for long term management of this condition.
- 3 What is the mechanism of action ? Write two adverse effects.
- 4 Name two drugs which can induce hypothyroidism.

(3 + 1 + 3 + 1 = 8 marks)

VII. What is the mechanism of action of :

- 1 Diethyl carbamazine Citrate.
- 2 L Asparaginase.
- 3 Atorvastatin.
- 4 Methotrexate.

(4 × 1 = 4 marks)

VIII. Write short notes on :

- 1 Oral hypoglycaemic drugs.
- 2 Tocolytics.
- 3 Ketoconazole.
- 4 Cyclosporine.

(4 × 2 = 8 marks)