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FACULTY OF MEDICINE, UNIVERSITY OF RUHUNA, GALLE
Third Examination for Medical Degrees (Part II) – Oct 2003.
PHARMACOLOGY- Paper I

30th Oct, 2003

2 Hours

Answer all FOUR questions

Answer EACH PART in a SEPARATE BOOK

Part A

1 Describe the pharmacological basis for the use of

- 1.1 Glyceryl trinitrate in angina pectoris. (25 mark)
- 1.2 Oral rehydration solution in diarrhoea. (25 marks)
- 1.3 Levodopa-carbidopa combination in parkinsonism. (25 marks)
- 1.4 Tolbutamide in non-insulin dependent diabetes mellitus. (25 marks)

Part B

2 Discuss the pharmacological management of the following conditions, emphasizing the basis of your choice of the antibiotics in each of them.

- 2.1. Pyogenic meningitis. (40 marks)
- 2.2 Acute pyelonephritis. (30 marks)
- 2.3 Community acquired pneumonia. (30 marks)

Part C

3 List the adverse effects expected and describe the precautions that should be taken either to minimize them or to detect them early in following situations.

- 3.1 Long-term use of oral corticosteroids for inflammatory arthritis. (40 marks)
- 3.2 Standard anti-tuberculosis therapy for pulmonary tuberculosis. (30 marks)
- 3.3 Long-term use of oestrogens in a hysterectomised woman. (30 marks)

Part D

4.1 Name two drugs (from different groups) you would select to treat each of the following.

(1) Rheumatoid arthritis (10 marks)

(2) Peptic ulcer disease (10 marks)

4.2 Indicate the mechanisms of action and three (3) common side effects of each of the four drugs you mentioned above. (80 marks)

