



THE OPEN UNIVERSITY OF SRI LANKA 2020
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
ACADEMIC YEAR 2019/2020 – SEMESTER I

BACHELOR OF PHARMACY HONOURS
BPU2124 – PHARMACOLGY I – LEVEL 4
FINAL EXAMINATION
DURATION: TWO HOURS

DATE: 14TH OF SEPTEMBER 2020

TIME: 9.30AM – 11.30 AM

Index No:

PART B – SEQs (50 Marks)
Answer All Questions.

1.

1.1 Define hypertension. (10 marks)

1.2 Briefly explain the mechanism of action of the following drug classes in the treatment of hypertension.

- I. Diuretics (10 marks)
- II. Calcium channel blockers (10 marks)
- III. Angiotensin Converting Enzyme (ACE) Inhibitors (10 marks)
- IV. Beta blockers (10 marks)

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2.1 Define “first pass metabolism” (05marks)

2.2 Describe the clinical importance of first pass metabolism with examples (25 marks)

2.3 Draw the plasma concentration vs time plot for an oral drug and show the therapeutic window in the same graph. (10 marks)

2.4 “Wafarin is a narrow therapeutic drug” briefly explain this statement. (10 marks)