



University of Ruhuna - Faculty of Medicine

Allied Health Sciences Degree Programme

B.Sc. Nursing Degree Programme

1st End Semester Examination

NPH 1124- Physiology I

SEQ paper- Part A

July 2015

Duration: Thirty (30) minutes

Index Number

1.

1.1 Briefly describe the "Starling forces"

(40 marks)

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1.2 Define oedema

(10 marks)

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1.3. Briefly describe the types of oedema

(10 marks)

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1.4 Describe the mechanism of formation of oedema in the following

1.4.1 Mosquito bite

(20 marks)

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1.4.2. Nephrotic syndrome

(20 marks)

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NPH 1124- Physiology I

SEQ paper-Part B

July 2015

Duration: Thirty (30) minutes

Index Number

1.

1.1 What is hypertension? (10 marks)

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1.2 What are the types of hypertension? (10 marks)

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1.3 State four disease conditions which can lead to hypertension (20 marks)

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1.4 State four disease conditions which can occur as a result of untreated hypertension (20 marks)

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1.5 Define cardiac output. (10 marks)

1.6 Write the equation between heart rate, cardiac output and stroke volume (10 marks)

1.7 Explain how patients with right ventricular failure develop ankle oedema (20 marks)



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NPH 1124- Physiology I

SEQ paper - Part C

July 2015

Duration: Thirty (30) minutes

Index Number

1.

1.1. List four (04) functions of plasma proteins (10 Marks)

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1.2 Briefly describe two functions of plasma proteins mentioned in 1.1. (30 Marks)

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1.3 A pregnant mother was admitted to the hospital. Her blood group is A Rh -ve and her husband's blood group was B Rh +ve.

What are the possible blood group genotypes of the mother and the father? (20 Marks)

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1.4 What are the possible blood genotypes of the baby?

(20 Marks)

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1.5 What is hemolytic disease of newborn?

(20 Marks)

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B.Sc. Nursing Degree Programme

1st End Semester Examination

NBI 1125- Biochemistry

SEQ paper

July 2015

Duration: One (1) hour

Index Number

1.

1.1.

1.1.1. List five (5) functions of a cell.

(10 marks)

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1.1.2. Mention the structural components of the cell membrane.

(10 marks)

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