



University of Ruhuna - Faculty of Medicine

Allied Health Sciences Degree Programme

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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1.2

1.2.1. List four (4) functions of proteins in the body

(4 marks)

1.2.2. Describe the different structural organizations of proteins.

(10 marks)

1.3. Write short notes on following.

1.3.1. Mitochondria

(8 marks)

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1.3.2. Competitive inhibition of enzymes

(8 marks)

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1.4 Explain the biochemical basis of following.

1.4.1 Atorvastatin is used as a treatment of hypercholesterolemia

(15 marks)

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1.4.2. Actinomycin D is used as an anticancer drug

(15 marks)

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1.4.3 Development of severe hemolysis following administration of Primaquin in a malaria

(20 marks)

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2. Ms Sumana 45 year women was newly diagnosed as having type II Diabetes Mellitus. She is interested to know information regarding her disease conditions.

2.1

2.1.1 List three other carbohydrate metabolism disorders

(5 marks)

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