

University of Ruhuna - Faculty of Allied Health Sciences Department of Nursing 1st Year 1st End Semester Examination (new curriculum)

Year 1st End Semester Examination (new curriculum)

Biochemistry - NBI 1113 (SEQ)

July 2018

Duration: One (1) hour

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a.) Draw and label the phospholipids bilayer (Fluid Mosaic Model).	(10 marks)
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Answer for all Questions.	
Index number:	A Committee Control of the Control o

b.)	Briefly explain the structural components of the above bilayer.	(20 marks)
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	••••••	7.20
1.2		
a.) Me	ention the different structural organizations of proteins.	(10 marks)
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b.) List four (4) functions of proteins in the body.	(20 marks)
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1.3 List five (5) factors affecting enzyme activity	(20 marks)
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And the second s	(20 marks)
1.4 List four (4) functions of steroids in the body.	(20 marks)
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2.	
A 55 year old man was diagnosed to have Diabetes Mellit	us.
2.1 Describe how blood glucose level is maintained in bety	ween meals in a healthy person.
2.1 Describe now blood graces at the same state of the same state	(30 marks)
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2.2. Nutritionist recommended to increase the fiber in h	is diet. Describe how dietary fiber
2.2. Nutritionist recommended to assess	(30 marks)
would help blood sugar control.	
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(30 marks)

A 30 years old man developed abdominal distension, severe bowel cramps and severe diarrhea after consuming milk. He was diagnosed as having lactose intolerance.

3.1 Explain the reasons for development of diarrhea in secondary lactose intolerance.

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3.2 What advice would you give him regarding dietary modification?	(10 marks)

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