

Library



**FACULTY OF ALLIED HEALTH SCIENCES
UNIVERSITY OF RUHUNA, GALLE
DEPARTMENT OF NURSING
1st END SEMESTER EXAMINATION-11th BATCH-2019**

Date: 16th September 2019

Biochemistry (NUR 1131)-SEQ

Time: 11 a.m.-12.00 noon

Duration: 1 hour

Index Number:

1. Enzymes are biological catalysts.

1.1 List 3 factors that affect the enzyme activity (10 marks)

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1.2 Explain the biochemical basis of using statins as cholesterol lowering drugs (20 Marks)

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1.3 What is an iso enzyme?

(5 Marks)

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1.4 Explain briefly the changes of LDH1 & LDH2 you can observe in blood levels in a patient who had recent myocardial infarction?

(20 Marks)

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2. For certain assays of blood, samples are collected to Fluoride containing tubes.

2.1 Name an assay that requires blood collection into a Fluoride containing tube (5 Marks)

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2.2 Briefly explain the biochemical basis of using Fluoride in above assay (20 Marks)

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2.3 Explain why Hexose mono phosphate (HMP) pathway is a very important biochemical pathway (20 Marks)

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