

1

ශ්‍රී ලංකා විවෘත විශ්වවිද්‍යාලය
 THE OPEN UNIVERSITY OF
 SRI LANKA
 29 SEP 2020
 විභාග අංශය
 EXAMINATION DIVISION

0064



DURATION: THREE (03) HOURS

TIME: 01.30 PM – 04.30 PM

1. pH provides a convenient way to compare the relative acidity or alkalinity of a solution at a given temperature.

(04 marks)

[illegible]

(02 marks)

A.

B.

(02 marks)

A.....

B.

(12 marks)

[illegible]

INDEX NO:

.....
.....
.....
.....
.....
.....
.....

(Total: 20 marks)

2 Carbohydrates are aldehyde or ketone compounds with multiple hydroxyl groups.

2.1 Give two (02) examples for pentose sugars. (02 marks)

- A.
B.

2.2 Give two (02) examples for hexose sugars. (02 marks)

- A.
B.

2.3 List three (03) functions of carbohydrates giving one example for each function that you listed. (06 marks)

- A.
.....
B.
.....
C.
.....

2.4 Write a short note on "Disaccharides". (10 marks)

.....
.....
.....
.....
.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(Total: 20 marks)

3 Proteins play crucial roles in virtually all biological processes. All proteins contain in varying proportions of the 20 different L- α -amino acids.

3.1 Name three (03) amino acids. (03 marks)

- A.
- B.
- C.

3.2 List five (05) types of bonds found in the protein structures. (05 marks)

- A.
- B.
- C.
- D.
- E.

INDEX NO:

3.3 Write a short note on "Classification of proteins based on function". (12 marks)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

(Total: 20 Marks)

4 It is recommended to use of reference values in the interpretation of laboratory test results. This reference data may arrive from the data collected from normal individuals and subjects suffering from a disease related to test which are carried out.

4.1 Define the term "Clinical sensitivity". (3 marks)

.....
.....
.....

4.2 Define the term "positive predictive value". (3 marks)

.....
.....
.....

4.3 Briefly describe what is meant by "reference interval"? (4 marks)

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

4.4 List four (04) important criteria which should be fulfilled for establishment of a reference value. (10 marks)

A.
.....
.....

INDEX NO:

B.

.....

.....

C.

.....

.....

D.

.....

.....

(Total: 20 Marks)

PART C – Essay Questions

1. Write an essay on “Properties of enzymes” (30 marks)
2. Write an essay on “Pre analytical errors”. (30 marks)

Copy rights reserved