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University Examinations 2022/2023

SPECIAL/SUPPLEMENTARY EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN ANIMAL HEALTH

SHV 3200: BIOCHEMISTRY

DATE: AUGUST 2023

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

- | | |
|--|-----------|
| a) Outline the general properties of carbohydrates | (4 marks) |
| b) Outline the characteristic of triose | (4 marks) |
| c) Write short notes of fructose | (4 marks) |
| d) Explain the replication of DNA molecules | (4 marks) |
| e) Describe water as audiophile | (4 marks) |
| f) Explain what is meant by a buffer | (3 marks) |
| g) Discuss protein folding and penetration | (3 marks) |
| h) Describe the secondary structure of proteins | (4 marks) |

QUESTION TWO (20 MARKS)

Discuss starch and glycogen (20 marks)



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

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QUESTION THREE (20 MARKS)

Illustrate the recombinant DNA and genetic engineering

(20 marks)

QUESTION FOUR (20 MARKS)

Illustrate the different types of waxes and their uses

(20 marks)

