



FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA

Department of Nursing
1st End Semester Examination – 2021 – 2020/2021 (14th) Batch
NUR 1131- Biochemistry –SEQ

Date: 1st February 2023

Time: 10.30 a.m.-11.00 p.m.

Duration: 1/2 hour

Index Number:

Answer all questions. Use the given space for the answers.

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1.1 List four (04) factors that affect enzyme activity. (20 marks)

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1.2 Describe the effect of one factor (01) mentioned in 1.1. (30 marks)

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2 Hexose Monophosphate (HMP) shunt is the essential mechanism in our body.

2.1. List two (2) functions of the HMP shunt (10 marks)

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2.2 NADPH is one of the major regulators of the HMP shunt. Mention two (02) functions of

NADPH (10 marks)

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2.3 A known patient with G6PD deficiency admitted to the ward due to the hematuria following the treatment of primaquine for uncontrolled febrile illness

Explain the biochemical basis for the hematuria in this patient

(30 marks)

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