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 11me: 10.30 a.m11.00 p.m.	Duration: 1/2 hour
Index Number:	
Answer all questions. Use the given space for the answers.	
1	
1.1 List four (04) factors that affect enzyme activity.	(20 marks)
1.2 Describe the effect of one factor (01) mentioned in 1.1.	(30 marks)

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Answer all questions. Use the given space for the answers.	
2 Hexose Monophosphate (HMP) shunt is the essential mechan	nism in our body.
2.1. List two (2) functions of the HMP shunt	(10 marks)
2.2 NADPH is one of the major regulators of the HMP shunt. N	the second commence of the second commence of the second
NADPH	(10 marks)

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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