



FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA

Department of Nursing

1st End Semester Examination – 2026 – 2023/2024 - 17th Batch

Old curriculum

NUR 1131 – Biochemistry – SEQ

Date: 17th July 2026

Time: 10.00 am – 10.30 am

Duration: ½ hour

Index Number:

Answer all questions using the space provided.

1.

1.1.

1.1.1. Briefly explain what a prosthetic group is? (05 Marks)

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1.1.2. List two (02) examples for prosthetic group (05 Marks)

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1.1.3. List five (05) examples of enzymes commonly assayed for diagnostic purposes (10 Marks)

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1.1.4. One of the major functions of the cell membrane is the transport of molecules and ions. Briefly explain the difference between simple diffusion and facilitated diffusion? (20 Marks)

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1.2

1.2.1. Briefly explain the structure of a transport protein with an example. (10 Marks)

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1.2.2. Name one metabolic pathway in which NADPH is produced. (10 Marks)

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1.2.3. Briefly describe three functions of NADPH. (15 Marks)

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1.2.4. Mr. Kasun, a known patient with sickle cell disease and glucose-6-phosphate dehydrogenase (G6PD) deficiency, presents with hematuria. Briefly explain the biochemical basis of this condition.

(25 Marks)

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