

2025

M.Sc. 1st Semester Examination
NUTRITION AND DIETETICS

Paper : NUDC402X1

[Applied Physiology]

Full Marks : 25

Time : One Hour

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *two* questions : $2 \times 2 = 4$

1. What is GFR?
2. Write any two complications due to hypothyroidism.
3. What is facilitated diffusion?
4. Cites the stages of primary haemostasis.

Group - B

Answer any *two* questions : $4 \times 2 = 8$

5. Why detection of blood grouping is important? Define histocompatibility. $3+1$

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6. What is Bohr's effect? Discuss the factors responsible for it. 1+3
7. Write the initiation of gastrointestinal reflexes and their role on gastrointestinal activity regulation. 2+2
8. Enumerate the monomeric structure of immunoglobulin with a diagram. 3+1

Group - C

Answer any *one* question : 8×1=8

9. State the role of renal buffers in pH regulation blood.
10. What is synapse? Discuss the structure of synapse and how signal is transmitted in a chemical synapse. 1+3+4

Internal Assessment : 5 marks
