

2025

M.Sc. 1st Semester Examination
CLINICAL NUTRITION AND DIETETICS

Paper : CNDC402X1

(Nutrimetrics and Biomarkers)

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 : 2×2=4

1. Define Nutrimetrics.
2. Write the application of two AI devices used in anthropometry.
3. Name one anthropometric circumference method separately applicable for each of children and old age man.
4. Define transferrin saturation (TSAT).

P.T.O.

(2)

Group - B

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

5. How do you assess protein status of an individual?
6. What is stadiometer? Discuss the advantages of using stadiometer over steel made anthropometer. $2+2$
7. Write about the different dimensions of nutrimetrics.
8. Write the significance of waist to hip ratio along with its measurement techniques in detail.

Group - C

Answer any *one* question : $8 \times 1 = 8$

9. Compare z scores and percentile. Discuss the difference between stunting and wasting. $4+4$
10. What are competitive and non-competitive enzyme inhibition? State the effect of competitive and non-competitive inhibition on double reciprocal plot of enzyme kinetics. $2+2+(2+2)$

Internal Assessment : 5 marks
