

2025

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

Paper : CNDE404A8

(Biochemical and Molecular Techniques)

(Practical)

Full Marks : 25

Time : Two Hours

The figures in the margin indicate full marks.

Answer the following questions.

1. Write the working principle of conventional PCR.
Formulate the preparation of PCR master-mix for 50 μ l
volume of each reaction using 5U/ μ l of Taq DNA
polymerase by mentioning working and final
concentrations of each component. 3+4
2. Write the working principle of the western blotting
technique. State the short protocol of western blotting.
Interpret the result of the given western blot image.
2+3+3
3. Submit the practical Notebook. 5
4. Viva-voce. 5