

Human Physiology (P.G.)

[CBCS]

M.Sc. First Semester End Examination-2023

(Regular & Supplementary Paper)

PAPER-104

Full Marks: 50

Time: 02 Hrs

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Unit-7

Full Marks 25

[Bio-Analytical Techniques]

1. Prepare a TLC plate and identify the unknown amino acid by its R_f value and the colour with ninhydrin. 8
[Plate: 2, Loading:1, Principle:1, Identification:2, Procedure:2]
2. Determine the optimum pH of the given enzyme. 7
[Principle:1, Procedure:2, Graphical presentation:2, Result:2]
3. Submit the duly signed Laboratory note book 5
4. Viva Voce 5

(2)

Unit - 8

Full Marks 25

[Biochemical Techniques]

1. Determine the blood calcium of the provided blood sample.
Write down the principle of the test performed and interpret your result. 7
[Principle:1, Procedure:4, Interpretation:2]
2. Estimate the urea content of the given blood sample. Write down the principle and interpret your result. 8
[Principle:1, Procedure:5, Interpretation:2]
3. Submit the duly signed Laboratory note book 5
4. Viva Voce 5

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