

B.Sc. (FS) Semester - 2 (NEP-2020) Examination**MARCH/APRIL-2026****General Principles of Biology/Bio-Chemical Analysis (Major-4)****Time: 2:00 Hours****Marks: 50****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Que. 1 Answer any one in details. (Any one) (10)
- 1) Write a note on pH & pH meter.
 - 2) Describe types of Buffer solution & its application.
- Que. 2 Answer any one in details. (Any one) (10)
- 1) Explain Density gradient centrifugation in details
 - 2) Explain Analytical centrifugation.
- Que. 3 Answer any one in details. (Any one) (10)
- 1) Describe briefly: Nucleic acid & RNA.
 - 2) Explain: Protein and its types.
- Que. 4 Answer any one in details. (Any one) (10)
- 1) Write a note on types of blood cells.
 - 2) Explain: Disorder related to WBC.
- Que. 5 Answer any one in details. (Any one) (10)
- 1) Write the properties of Carbohydrates & give the Source of it.
 - 2) Explain types of platelet & RBC disorders.
