

B.Sc. (FS) Semester - 3 (NEP-2020) Examination**OCT/NOV-2024****Basic Concepts and Principles of Biology (Major-5)****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 of Mendel bibliography, law of Mendel and limitations of Mendel genetics.
- 2) Discuss about DNA and histone.

Que-2 Answer any one in details. (Any one) (10)

- 1) What is immunity? Write a note on innate immunity.
- 2) Write a note on immunoglobulins.

Que-3 Answer any one in details. (Any one) (10)

- 1) Write a note on production of antibody & properties of antigen and antibody
- 2) Write a note on single radial immunodiffusion.

Que-4 Answer any one in details. (Any one) (10)

- 1) What is body fluid? Discuss about Saliva.
- 2) Write a note on hair and its examination.

Que-5 Answer any one in details. (Any one) (10)

- 1) Write a note on fibers and give the classification of fiber and examination of fiber.
- 2) Write a note radio immunoassay.
