

B.Sc. (FS) Semester - 3 (NEP-2020) Examination**OCT/NOV-2025****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.

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 Chromosome.

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

1. What is immunity? Write a note on barrier related to innate immunity.
2. Write a note on immune globulins.

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 Double 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 DNA replication.
