

U.G. (Honours) (CBCS) DEGREE EXAMINATION, DECEMBER 2023/JANUARY 2024 FIRST SEMESTER

Paper - I PRINCIPLES OF BIOLOGICAL SCIENCES

Time: One and half hours

Maximum: 50 marks

(No additional sheet will be supplied)

Answer any FIVE questions.

Each question carries 10 marks.

 $(5 \times 10 = 50)$

- 1. Explain five kingdom Biological classification.
- 2. Describe the vegetative organs of plants.
- 3. Give a brief note on classification of Animal Kingdom.
- Explain the process of respiration in plants.
- 5. Write about the structure and functions of mitochondria.
- 6. Describe the mechanism of nitrogen fixation in plants.
- Explain about color blindness and sickle cell anemia.
- 8. Write about the following human diseases.
 - (a) AIDS
- (b) Dengue
- (c) Malaria
- 9. Describe the process of recombinant DNA technology.
- Explain the digestive system of man.