

(20518)

Roll No. ....

B.Sc.(Micro.)-I Year

**3493**

**B. Sc. (Micro.) Examination, May 2018**

**BIOLOGY-II**

**(B-110)**

*Time : Three Hours]*

*[Maximum Marks : 50*

*Note:* Attempt *Five* questions in all. Question No. 1 is compulsory. Each question carries 10 marks. Draw neat and well labelled diagrams wherever required.

1. Answer the following :  $1 \times 10 = 10$

- Gemma cups are present in which bryophyte.
- The coconut husk is made-up of which tissue.
- Prothallus
- Give the name of two algae which form "bloom in water".
- Which blood cells carry oxygen within body of animal?
- Name the muscle found in animal heart.
- What is compensation point?
- Give two examples

(2)

- Two examples of connective tissue in animals.
- How bones are connected to each other?

- Mention the chief characteristics of Pteridophyta. How they differ from bryophytes and spermatophyte. 10
- Describe pigment systems in detail and various factors affecting photosynthesis. 10
- ✓ Discuss about the connective tissue in animals and its functions also. 10
5. What is tissue system? Describe the different types of tissue systems found in plant body. 10
- ✓ 6. Differentiate between the following:  $5+5=10$ 
  - $C_3$  plants and  $C_4$  plants
  - Diffusion and Osmosis.
7. What is bulk transport? Describe the mechanism of cell secretion by bulk transport. 10

3493

(3)

8. Discuss the following : 5+5=10  
(a) Epithelial tissue {  
(b) Muscular tissue.
9. Write a detailed account on important characteristics of Rhodophyta, Bacillariophyta and Chlorophyta. 10
10. Describe the important characters of Angiosperms and classify them up to class along with examples. 10