

(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 : 1×10=10

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

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

2. Mention the chief characteristics of Pteridophyta. How they differ from bryophytes and spermatophyte. 10

3. Describe pigment systems in detail and various factors affecting photosynthesis. 10

4. Discuss about the connective tissue in animals and its functions also. https://www.ccsustudy.com 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

- (a) C₃ plants and C₄ plants
- (b) Diffusion and Osmosis.

7. What is bulk transport? Describe the mechanism of cell secretion by bulk transport. 10

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

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