

(20519)

Roll No. R180935130005

Total Questions : 10]

[Printed Pages : 3

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**B.Sc. (Microbiology) Ist Year Examination,
May-2019**

BIOLOGY-II

(B-110)

(B.Sc.-Micro)

Time : 3 Hrs.]

[M.M. : 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 :

- (i) What is algal bloom ?
- (ii) Give the example of heterophyllous pteridophyte.

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(1)

Turn Over

(iii) Write down the botanical name of one angiosperm with family.

(iv) Elaters are present in which bryophyte.

(v) Hyaline cartilage is made up of which type of tissue.

(vi) Write down the example of connective tissue.

(vii) What is Thallus ?

(viii) Give the example of two members of Rhodophyta.

(ix) What is Neuron ?

(x) What is the function of gemma cups in Bryophytes ? 1×10=10

2. What is Photosynthesis ? Describe in detail the mechanism and factors affecting the photosynthesis. 10

3. Write notes on the following :

(i) Epithelial tissue

(ii) Muscular tissue 5+5=10

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(2)

4. Write a detailed account on important characteristics of bryophytes. How are they differ from the pteridophytes ? 10

5. Write notes on the following :

(i) Bacillariophyta

(ii) Rhodophyta 5+5=10

6. Differentiate between the following :

(i) C₃ plants and C₄ plants

(ii) Absorption spectrum and action spectrum 5+5=10

7. Describe in detail the structure and function of meristems tissue in plants. 10

8. Write notes on the following :

(i) Pigments systems

(ii) Active transport 5+5=10

9. Describe in detail the structure and function of connective tissue in animals. 10

10. Give the outline classification of angiosperms. 10

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(3)