

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 18

B.Sc. Agriculture (2014 to 2018) (Sem.-1)

BIOLOGY-I

Subject Code : BSAG-106b

M.Code : 72214

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Write short notes on :

1. Plants are important for human life and support system. Justify.
2. Mycorrhizae.
3. Bulliform cells and their functions.
4. Characters of Anemophilous flowers.
5. Differences between interfascicular and intrafascicular cambium.
6. Alteration of generations.
7. Economic importance of Cruciferae.
8. What is the type and use of root modification found in mangrove tree?
9. Why bryophytes are called “Amphibians of plant kingdom”?
10. Vegetative propagation.

SECTION-B

11. Draw the life cycle of a flowering plant.
12. What are the various out breeding devices that ensures cross pollination?
13. Briefly describe the complex tissues found in plants along with their functions.
14. Differentiate between tap root and adventitious root system. Explain any 3 types of adventitious roots.
15. Describe the androecium of Graminaeae and Solanaceae.

SECTION-C

16. Explain the anatomy of dicot leaf and monocot leaf along with diagram.
17. What are distinguishing characters of family Rosaceae? Give botanical names of any five plants and economic importance of the family.
18. Explain the process of double fertilization taking place in angiosperms.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.