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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Agriculture (2014 & Onwards) (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**1. Write briefly :**

- a) *Viruses are living organisms.* Justify.
- b) *Fungi are not only our foes, but friends also.* Justify.
- c) Casparian strips.
- d) Triple fusion.
- e) Floral diagram of Hibiscus.
- f) How annual rings help in calculating age of a plant?
- g) Importance of leaf modifications to the plant.
- h) Micropyle.
- i) "*Flower is a modified shoot*". Comment.
- j) Economic importance of Acacia.





SECTION-B

2. Explain types of ovules found in angiosperms along with their diagram.
3. What are Simple tissues? Explain its types along with diagrams.
4. Explain the sex organs in Bryophytes.
5. Racemose Inflorescence.
6. Describe the androecium of Graminaeae and Rutaceae.

SECTION-C

7. Differentiate between the anatomy of dicot root and dicot stem. Explain their vascular tissue in detail along with diagram.
8. What are distinguishing characters of family Rosaceae? Give botanical names of **any five** plants and economic importance of the family.
9. Explain the process of Seed Germination. Also give the structure of Maize seed.

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.

