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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Hons) Agriculture (2019 Batch) (Sem.-1)

INTRODUCTORY BIOLOGY

Subject Code : BSAG-106-19(A)

M.Code : 76929

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) Equational division
- b) Perigyny
- c) Taxonomic hierarchies
- d) Differentiate between animal cell and plant cell
- e) Genetic drift
- f) Vestigial organs
- g) Eugenics
- h) Numerical taxonomy
- i) Differentiate between phyllode and phylloclade
- j) Ribosomes

SECTION-B

2. What is racemose inflorescence? Give suitable examples.
3. Explain various stages of meiosis-I with suitable diagram.
4. What is Binomial nomenclature? Write various rules of binomial nomenclature.
5. Describe important features, floral formula and economic importance of family Poaceae.
6. Give an outline of five-kingdom classification. What are advantages and disadvantages of this classification?

SECTION-C

7. Explain structure and functions of :
 - a) Nucleus
 - b) Mitochondria.
8. Explain isolation and natural selection in Evolution.
9. Give an illustrated description of :
 - a) Maize grain
 - b) Gram 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.