

Roll No.

Total No. of Pages : 02

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

INTRODUCTORY BIOLOGY

Subject Code : BSAG-106-19(A)

M.Code : 76929

Date of Examination : 20-01-2023

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) Industrial melanism
- b) Artificial system of classification
- c) Mitochondria
- d) Fleshy fruits
- e) Binomial nomenclature
- f) Hardy-Weinberg law
- g) Eugenics
- h) Animals of agricultural importance
- i) Venation
- j) Differences between prokaryotic and eukaryotic cells.

SECTION-B

2. What is mitosis? Draw and explain various stages of mitosis.
3. Describe structure of monocotyledonous seed with suitable diagram.
4. Define and provide suitable example of the following terms :
 - (a) Phylum
 - (b) Class
 - (c) Family
 - (d) Order
 - (e) Genus
5. What is seed germination? Describe various stages of seed germination.
6. Describe structure and functions of Golgi complex.

SECTION-C

7. Explain structure of
 - (a) Plant Cell
 - (b) Animal Cell
 - (c) Mitochondria
 - (d) Chloroplast
8. Give an account of bio-geographical, anatomical, biochemical and physiological evidences in support of evolution.
9. Describe important features, floral formula and economic importance of Fabaceae and Poaceae.

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.