

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 18

B.Sc. (Agriculture) (2014 to 2018) (Sem.-2)

BIOLOGY-II

Subject Code : BSAG-205B

M.Code : 72361

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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 note on :

1. Chiasmata formation
2. Features of Aves
3. Liver
4. Mitosis
5. Binomial nomenclature
6. Golgi apparatus
7. Phospholipids
8. Ectoparasites
9. Bone
10. Fertilization in frog

SECTION-B

11. Discuss the structure and functions of different types of RNAs.
12. Explain various stages of meiosis with the help of suitable diagram.
13. Discuss various rules and codes of binomial nomenclature.
14. Write characteristics and examples of phylum (a) Annelida (b) Mollusca.
15. Give an account of epithelial tissue.

SECTION-C

16. Discuss the structure and functions of :
 - a) Mitochondria
 - b) Endoplasmic reticulum.
17. Write notes on :
 - a) Roundworms
 - b) *Fasciola hepatica*
 - c) *Wuchereria bancrofti*
 - d) *Entamoeba histolytica*
 - e) Malarial parasite
18. Give an account of :
 - a) Respiratory system of man
 - b) Presumptive areas of frog's blastula

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.