

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

B.Sc. (Agriculture) (2014 to 2018) (Sem.-3)

FUNDAMENTALS OF INSECT MORPHOLOGY & SYSTEMATICS

Subject Code : BSAG-303

M.Code : 72553

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 student has to attempt ANY FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and student has to attempt ANY TWO questions.

SECTION-A

Write short notes on :

- Q1. Cryptonephridial conditions insects.
- Q2. Filter chamber and its significances.
- Q3. Paracardial sinus.
- Q4. What is cranium and tentorium?
- Q5. True fly.
- Q6. What is NCIPM and where it is located?
- Q7. Humeral Suture.
- Q8. Tagmosis.
- Q9. Airsacs.
- Q10. Key Characters.

SECTION-B

- Q11. Define neuron and its structure? How many types of neuron are found in insects?
- Q12. Define nomenclature, its rules and binomial system of nomenclature?
- Q13. Briefly discuss modifications of antennae and wings of Diptera and their advantages to dipterans?
- Q14. Discuss modifications in insect wings?
- Q15. Discuss basic parts of insects legs and its modification?

SECTION-C

- Q16. Distinguishing characteristics of order Lepidoptera and discuss features of three important families of Lepidoptera?
- Q17. Explain with the help of diagram various mouth parts found in insects and various modifications of mouth parts?
- Q18. Define metamorphosis and its various types? Describe various larval forms of holometabolous insects? Classify pupae of insect in different groups?

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.