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B.Sc. (Agriculture) (2014 & Onwards) (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.
- SECTION-B contains FIVE questions carrying FIVE marks each and student has 2. 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

1. Write short notes on :

- a) Insect Integument
- FirstRanker.com b) Binomial system of nomenclature
- c) Tagmosis
- d) Compound eyes
- e) Hypopharynx
- f) Tarsomere and Trochanter
- g) Airsachs
- h) Define suture and name prominent sutures of insect head
- i) Malphigian tubules
- i) What is full form of ICAR and NCIPM?



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SECTION-B

- 2. Describe various organs involved in blood circulation of insects.
- 3. Describe various stages of evolution of insect.
- 4. Distinguish characteristics of order Orthoptera.
- 5. What are various mouth parts found in generalized insect?
- 6. Give up brief account of nervous system of insect?.

SECTION-C

- 7. Discuss the general structure of insect wing and various modifications.
- 8. Why are insects most dominating species on earth? What is economic importance of insects?
- 9. 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.