

ENTO-121

Most Important Questions

Note:

- 1) These Questions are based on the previous year question papers and New Updated Syllabus.
- 2) Students are required to go through all the topics, but kindly focus on below mentioned Topics/Questions.
- 3) The questions in the exam may be asked in some other way. Eg. Short Notes may asked as Define and vice versa.
- 4) **IMPORTANT:** This document does not guarantee that the exam may contain all topics/questions mentioned below.

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1. Explain the History of Entomology in India including contributions of Scientists.
 2. Explain the Relationship of Class Insecta with other Classes of Arthropoda.
 3. Give Classification of Phylum Arthropoda
 4. Explain Structure and Functions of Cuticle.
 5. Write in brief Steps in moulting.
 6. Explain Body Segmentation including head, thorax and abdomen.
 7. Describe the mouthparts with well labeled diagram and its modifications with feeding mechanisms of (Any one):
 - a. Cockroach
 - b. Red cotton bug
 - c. House fly
 - d. Thrips
 8. Describe the Structure of Typical insect leg and its Modifications.
 9. Explain different types of Wing coupling apparatus in insects with suitable examples.
 10. Explain in brief the Types of Metamorphosis with examples.
 11. Write the Significance of Insect Diapause with examples.
 12. Describe the male reproductive system of Cockroach.
 13. Explain in detail Structure and Functions of digestive system in insects.
 14. Explain Structure and Functions of (Any one):
 - a. Nervous System in Insects
 - b. digestive system in Insects
 - c. circulatory, excretory and respiratory system in Insects
 - d. Secretary (Endocrine) System
 - e. Reproductive System (Male and Female)
 15. Explain the Types of reproduction in insects.
 16. Enlist the Major Sensory Organs of Insects.
 17. Write in detail Integrated Pest Management (IPM). Give its Limitations and Components.
 18. Explain in detail Effect of Abiotic and Biotic Factors.
 19. Give the Classification of insecticides based Chemical composition.
 20. Explain the types of formulations with examples in brief.
 21. Write short note on:
 - a. Insect Dominance
 - b. Functions of Insect Integument

c. Seasonal adaptations in insect

d. Insect Ecology

22. Full form and Location:

- a. IARI
- b. CAB
- c. IOBC
- d. IIIP

- e. NBAIR
- f. NIPHM
- g. IISA
- h. CIB & RC

- i. CSB
- j. NRIIPM
- k. IGSMRI

23. Define:

- a. Insects
- b. Entomology
- c. Agricultural Entomology
- d. Moulting
- e. Metamorphosis

- f. Systematics
- g. Insect Diapause
- h. Aestivation
- i. Hibernation
- j. Toxicity
- k. MRL

- l. Residue
- m. Waiting Period
- n. Quiescence
- o. Larvae
- p. Pupae

a) State the exact location of the following parts in/on insect body:

- 1) Cerci 2) Malpighian tubules 3) Johnston's organ 4) Arolium

b) Fill in the blanks:

- 1) Mites belong to the class _____.
- 2) National Bureau of Agricultural Insects Resources is located in _____.
- 3) _____ is the segment of leg present between coxa and femur.
- 4) Study of arrangement of setae is known as _____.

All the Best!

AgroMind