



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – July 2020
IV Semester

Class : II UG
Major : Zoology

Time : 3 Hours
Max. Marks: 100

18BZOC12 General Entomology

Part –A

Choose the Correct Answer

10×1= 10

1. King crabs comes under the class
 - a. Archnida
 - b. Merostoma
 - c. Crustaceae
 - d. Chilopoda
2. Number of orders in Exopterygota
 - a. 16
 - b. 12
 - c. 14
 - d. 18
3. Sponging type of mouthparts are seen in
 - a. Hemiptera
 - b. Lepidoptera
 - c. Diptera
 - d. Thysanoptera
4. First anterior marginal vein is
 - a. Radius
 - b. Media
 - c. Cubitus
 - d. Costa
5. Posterior chamber of bichambered spiracles
 - a. Occluding chamber
 - b. Internal chamber
 - c. both a and b
 - d. Biferous chamber
6. Specific gravity of haemolymph ranges between
 - a. 1.03-1.08
 - b. 1.10- 1.13
 - c. 1.01-1.06
 - d. 1.15-1.18
7. Dengue is transmitted by
 - a. *Anopheles aconitus*
 - b. *Anopheles gambiae*
 - c. *Aedes aegypti*
 - d. Arboviruses
8. Period of life cycle in *Sitophilus oryzae*
 - a. 28 days
 - b. 27 days
 - c. 23 days
 - d. 26 days
9. Dry wood termites in furniture can be killed at
 - a. -9°C
 - b. -13°C
 - c. 4°C
 - d. 8°C
10. Which chemical is used as tear gas
 - a. naphthalene
 - b. phosphides
 - c. chloropicrin
 - d. dichloropropene

Part - B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

11. a. Write the characteristics features of apterygote insects.
(Or)
11. b. Write short notes on Isoptera.
12. a. Explain the piercing and sucking type of mouthparts.
(Or)
12. b. Discuss the Gnathal appendages of insects.
13. a. Illustrate the salivary glands in insects.
(Or)
13. b. Classify the types of haematocytes.
14. a. Distinguish between the characteristic features of Anopheles and Aedes.
(Or)
14. b. Comment on internal and external feeders of stored products.
15. a. Note on physical measures for pest control management.
(Or)
15. b. Give an account on microbial agent against insect pests.

Part - C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

16. a. Explain the order Diptera.
(Or)
16. b. Describe about Lepidopteran insects.
17. a. Discuss the different types of mouth parts with neat diagram.
(Or)
17. b. Write an essay on cephalic appendages.
18. a. Give the classification of tracheal system.
(Or)
18. b. Summarize chemoreceptors and its physiology.
19. a. Explain about pests of paddy.
(Or)
19. b. Describe the medical importance of mosquito and its management.
20. a. Elaborate on formulation of an insecticide.
(Or)
20. b. Write the importance of integrated pest management (IPM).
