



QP CODE: 26019284



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc ZOOLOGY

ELECTIVE - ZL820401 - MORPHOLOGY AND TAXONOMY

2019 Admission Onwards

39FD2BCB

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Write note on the significance of amber in studying insect evolution.
2. What is Endothorax?
3. What are Petiole and Gaster of an insect abdomen?
4. What is Johnston's organ?
5. Mention the characters of the family Ephemeridae.
6. Mention the characters of the family Locustidae.
7. Write note on social insects.
8. What is cecidogenesis?
9. Explain host plant resistance.
10. What are the different types of insect eggs?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Explain the origin and evolution of insects.
12. Comment on Tentorium.





13. What are the different types of insect antennae?
14. Explain the morphological characters of the order Psocoptera.
15. Explain the migratory behaviour of locusts.
16. Explain chemical modes of communication in insects.
17. What are the adaptations of aquatic insects?
18. Give a detailed account on parthenogenesis in insects with example.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Explain the structure of insect wings. Give various modifications of wings with examples.
20. Outline the classification of Class Insecta.
21. What are the adaptations of parasitic and predatory insects?
22. Give a detailed account on various types of larvae and pupae of insects.

(2×5=10 weightage)

