**Answer Type Questions in Horticulture Insects**

**Q1/** **Definitions**

**Define the following terms**

1. Horticulture
2. Horticulture entomology
3. Horticulture insects
4. Subterranean insects
5. Social Insects
6. Economic Insects
7. Internal feeders
8. Direct Injury
9. Indirect Injury
10. Agricultural Control
11. Biological Control
12. IPM
13. Metallic wood borers
14. Gall makers
15. Predatory Insects
16. Parasitic wasps
17. Sap suckers
18. Leaf miners
19. Leaf rollers
20. Honey dew
21. Codling moth
22. Ovisac
23. Stem mothers
24. Mealy Plum Aphid
25. Cabbage looper
26. Yellow jackets
27. Entomology
28. Insect Surveillance
29. Insect Trap
30. Flat-headed larvae
31. Round-headed larvae
32. Chrysalis pupae
33. Caterpillar
34. Fecundity
35. Lifespan

**Q2/ Numerate/ Or List the major insects that attacked the following trees**

**and plants**

1. Apple
2. Citrus
3. Fig
4. Grapevine
5. Pomegranate
6. Stony seed fruit trees
7. Olive
8. The plants of the family Cucurbitaceae
9. The plants of the family Brassicaceae
10. The plants of the family Solanaceae

**Q3/ Write about the biology and life cycle of the following insects.**

1. **Carob moth,** *Ectomyelois ceratoniae*
2. **Fig leaf moth,** *Ocnerogia amanda*
3. **Grape leaf hopper,** *Zygina hussaini*
4. **Olive psyllid,** *Euphyllura olivine*
5. **Small cabbage white butterfly,** *Pieris rapae*
6. **Tomato leaf miner,** *Tuta absoluta*
7. **Apple tree borer,** *Chrysobothris femorata*
8. **Citrus mealy bug,** *Planococcus citri*
9. **Citrus butterfly,** *Papilio demoleus*
10. **Great apricot stem borer,** *Chalcoforella bagdadensis*
11. **Small Apricot and peach stem borer,** *Sphenoptera servistana*
12. **Cabbage Aphid,** *Brevicoryne brassicae*
13. **Codling moth,** *Cydia pomonella*
14. **Cabbage looper,** *Trichoplusia ni*
15. **Beet armyworm,** *Spodoptera exigua*

**Q4/** **What are the effective ways for management these insects**

1. Stem borers
2. Mealy bugs
3. Leaf miners
4. Sap suckers
5. Caterpillars
6. Aphids
7. White flies
8. Leaf hoppers
9. Ground insects or Subterranean insects
10. Grasshopper

**Q5/ Give the possible reasons for the following statements**

1. Wasps are generally considered to be beneficial or of little economic importance?
2. Both nymph and adult stage of grape leaf hopper are injurious?
3. Insects which have piercing and sucking mouth part can cause weakness of hosts?
4. Some insects may damage plants by laying their eggs?
5. Soft body insects choose the lower surface of plants for sucking plant saps?
6. Shady new leaves and twigs are preferred sites for infestation by aphids?
7. Collecting the branches after pruning and fallen leaves under deciduous fruit trees and burn it, the best method for controlling of the insect pests?
8. The control of infested fruits by codling moth and pomegranate butterfly are usually difficult?
9. High population of aphids may cause retard the growth of young trees?