

**Rayat Shikshan Sanstha's**  
**Yashvantrao Chavan Institute of Science, Satara**  
**(Autonomous)**  
**Department of Botany**  
**B.Sc.II Plant Protection (BBPT 401)**  
**Question Bank 2021-2022**

**Q.1. Define following Terms/Answer in one sentence**

**[10]**

- 1) Define Pest.
- 2) Give the scientific name of Jowar stem borer.
- 3) Azadirachtin is extracted from which plant ?
- 4) Define Attractant .
- 5) What is metamorphosis.
- 6) Insects are included in which class .
- 7) Give the scientific name of Gram pod borer.
- 8) Nicotine is extracted from which plant?
- 9) What is Antifeedant.
- 10) Define Incomplete metamorphosis.
- 11) What is Pest?
- 12) Give the scientific name of White grub.
- 13) Pyrethrin is extracted from which plant?
- 14) Define repellent.
- 15) Define Complete metamorphosis

**Q.2. Attempt any two of the following**

**[20]**

- a) Describe the losses caused by insect pests in India .
- b) Describe the scientific name, Marks of identification , nature of damage  
life cycle and management of Jowar stem borer .
- c) Explain the precautionary measures used during pesticide application .
- d) Describe the general characters of insect pest.
- e) Describe the scientific name, marks of identification, nature of damage, life cycle and management of Rice weevil.
- f) Explain the advanced techniques used in pest management.
- g) Describe the damage caused by insect pest in Maharashtra .
- h) Describe the scientific name, marks of identification, nature of damage, life cycle and management of sugarcane White grub .
- i) Give an account on Integrated pest management .

**Q.3. Attempt any four of the following**

**[20]**

- 1) Classification of insect pest based on mouth parts .
- 2) Integrated pest management .
- 3) Classification of insecticides based on mode of entry .
- 4) Management of stored grain pests .
- 5) Marks of identification and nature of damage of Mango jassids .
- 6) Management of Brinjal fruit borer .
- 7) Classification of insect pest based metamorphosis.
- 8) Integrated pest management.
- 9) Classification of insecticides based on mode of action.
- 10) Management of pulse beetle.

- 11) Marks of identification and nature of damage- Rose aphids.
- 12) Principles of insect pest management.
- 13) Classification of insect pest based Nature of damage .
- 14) Organophosphate Insecticides
- 15) Nature of Formulations of insecticides .
- 16) Management of Rice Weevil.
- 17) Marks of identification and nature of damage Rose Ahids .
- 18) Plant originated insecticide .

## Theory Paper IV (BBPT 402) Weeds and their management

### Answer in one line

1. Define “Weed”
- 2 Define Noxious Weeds
- 3 Define annual weeds
- 4 Define Biannual weeds
- 5 Define Indigenous weeds
- 6 Define exotic weeds
- 7 list the types of weeds based on soil pH
- 8 Define Objectionable Weeds
- 9 Give the name of any Poisonous Weeds
- 10 Give name of weeds of holo-root parasite
- 11 What is “Seed Mimicry?”
- 12 Define “Biological weed control”
- 13 Define herbicide
- 14 Give the names of two chemical herbicides that you have studied
- 15 Give the name of any two parasitic weeds

### Long answer Question

- 1 Define weed? Give losses caused by weeds
- 2 Define weed? Give classification of weeds based on ontogeny (life Span) and ecological affinities
- 3 Give detail account of dissemination or dispersal of Weeds
- 4 Give detail account of common Weed Dispersal Agents
- 5 Give detail account of mechanical method of weed control
- 6 Explain in detail chemical method of weed control
- 7 Give the classification of chemical herbicides in detail.
- 8 Give classification of herbicides according to mode of Action
- 9 Give gross morphology, reproduction, ecology of *Parthenium hysterophorus* *Argemone mexicana*

- 10 Give gross morphology, reproduction, ecology of *Celosia argentea*, *Euphorbia hirta*
- 11 Give gross morphology, reproduction, ecology of *Cyperus rotundus*, *Cynodon dactylon*
- 12 Give gross morphology, reproduction, ecology of *Amaranthus spinosus*, *Alternanthera sessilis*,
- 13 Give the list of herbicides based on mode of action

**Short note**

- 1 Poisonous weeds
- 2 Parasitic weeds
- 3 Classification of weeds based on habitat
- 4 Objectionable Weeds
- 5 Merits and demerits of mechanical method of weed management
- 6 Biological Methods of Weed Control
- 7 Bio-Herbicides/ Myco-herbicides
- 8 Herbicide Resistance
- 9 Basic principles of herbicide resistance
- 10 Losses caused by weeds