I. Fill in the blanks
1. ___________ fungicide is found very effective against Downy Mildew.
2. Tomato early blight is caused by ___________.
3. ___________ is an important viral disease in groundnut.
4. Bhindi vein clearing is transmitted by ___________.
5. The spotted wilt virus of tomato is transmitted by ___________.

II. State True or False
6. Vector of pigeon pea sterility mosaic is white fly.  
7. Peanut bud necrosis virus (PBNV) is transmitted by aphids.
8. Seed treatment of *Trichoderma viride* is recommended for the management of tomato damping off.
9. Carbendazim is a selective soil fungicide.
10. Soil solarisation is recommended for the management of wilt and root rot diseases.

II. Write Short notes on ANY FIVE of the following (5x2=10)
1. Black shank.
4. Differentiate early and late blight of potato.
5. Factors conducive for the incidence and spread of club root of cabbage.
7. Factors responsible for the incidence and spread of cotton bacterial blight.

III. Answer ANY FIVE of the following (5x4=20)
1. Describe life cycle of wheat black stem rust with neat diagram.
2. List out important diseases affecting cucurbits. Explain in detail about downy mildew of cucurbits and its management.
3. List out important diseases of cowpea. Explain in detail about root rot and vascular diseases of cowpea and its management.
4. Write the symptoms, causal organism, mode of spread and management of rice blast.
5. Describe the symptom and management of ergot of bajra.
6. Mention important diseases of cabbage and describe the symptoms and management of damping off and powdery mildew.
7. Write the symptoms, causal organism, mode of spread and management of Chilli fruit rot.

IV. Write an essay on ANY ONE of the following (1x10=10)
1. Write Integrated Disease Management strategies of viral diseases of crop plants.
2. What are the factors responsible for Sugarcane red rot epidemic? Delineate the strategies you will have to undertake for combat the same along with symptoms and mode of spread.