## MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END EXAMINATION

## B.Sc. (Hons.) Horticulture

Semester	: V (New)	Term	: I Acade	emic Year : 2019-20
Course No.	: H/PATH 352	Title	: Diseases of Fruit	: Diseases of Fruit, Plantation, Medicinal
Credits	: 3 (2+1)		and Aromatic Crops	
Day & Date	: Friday, 08.11.2019	Time	: 14.00 to 17.00	Total Marks : 80
Note:	i di		Shiva,i College of Horticulture AMRAVATI Library Department	

## **SECTION "A"**

- Q.1 Describe symptoms of the following diseases.
  - a) Anthracnose of mango
- b) Soft rot of papaya
- c) Powdery mildew of ber
- d) Tea rust
- Q.2 Describe disease cycle of following diseases with a suitable diagram.
  - a) Citrus canker

- b) Powdery mildew of grape.
- Q.3 Enlist the important diseases of grape with their causal organisms and describe in detail the symptoms, disease cycle and integrated disease management of Downy mildew of grape.
- Q.4 Enlist the important diseases of citrus with causal organisms and describe in detail the symptoms, disease cycle and integrated disease management of citrus gummosis.
- Q.5 Enlist the important diseases of mango with causal organisms and describe in detail the disease cycle and integrated disease management of anthracnose of mango.
- Q.6 Which are the fungal diseases responsible for low production of banana in India?

  Describe in detail the symptoms, causal organism, disease cycle and integrated disease management of Panama disease.
- Q.7 a) Enlist the viral diseases of papaya along with the causal agents and describe the collateral host, insect vector and integrated disease management practices of leaf curl disease.
  - b) Write causal organisms, symptoms, host range and IDM of abnormal leaf spot of rubber.
- Q.8 Write short notes.
  - a) Koleroga of arecanut

- b) Oily spot of pomegranate
- Q.9 Describe control measures of the following diseases.
  - a) Fire blight of apple

b) Ganoderma wilt of coconut

c) Dieback of jackfruit

d) Heart rot of pine apple

(P.T.O.)

Q.10	Describe in brief the following diseases.
	a) Guava wilt
	b) Base rot of pineapple
	SECTION "B"
Q.11	Answer in one sentence.
	1) Which climatic conditions favor the powdery mildew of ber?
17.65.0	2) Why Casuarina or Eucalyptus is used as wind breaks around the cashew plantation?
mtssd3	3) What is viriod?
	4) Which chemical in what concentration is used to control coconut wilt?
	5) Give the two examples of antagonistic bacteria?
	6) Which insect vector transmits the pineapple wilt virus?
	7) Which types of spores are produced by the fungus Cerotilium fici?
	8) What is the primary source of infection of apple scab?
Q.12	2 a) State True or False.
	1) The powdery mildew fungus of mango can infect ber.
	2) Angular leaf spot is caused by Pseudomonas azadirachtae.
	3) Kadang kadang disease of coconut is caused by viroid.
	4) The steam bleeding of coconut is a soil borne disease
	b) Fill in the blanks.
	1) Powdery mildew of mint is caused by
	2) Rhizoctonia solani causesdisease of hemp.
	3) The bacterial nature of fire blight of apple was described by the scientist in 18
	4) The causal organism of root rot of pyrethrum is
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