MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END EXAMINATION

			B.Sc. (Agri.)		
Credi	se No.	: 3 (2+1)	Term : II Academic Year : 2017 Title : Diseases of Field Crops and Their Management Time : 14.00 to 17.00 Total Marks :		
	Note	: 1. Solve ANY EIGHT ques	tions from SECTION "A". ION "B" are compulsory. marks.		
			SECTION "A"		
Q.1	Wri	te symptoms, causes and mana	gement of the following (Any Two).		
	a)	Wilt of red gram	b) Wilt of bengal gram		
	c)	Wilt of safflower			
Q.2	Giv	Give in short the causes, symptoms and management of following.			
	a)	Angular leaf spot of cotton	b) Tikka disease of groundnut		
Q.3	Wri	Write causal organism, transmission and management of following disease.			
	a)	Bud necrosis of groundnut	b) Grassy shoot of sugarcane		
Q.4	a)	Write in brief about black sten	n rust of wheat.		
	b)	Enlist important diseases of a strategies for bacterial blight.	ice and describe the symptoms and managemen		
Q.5	Wri	ite in brief about following.			
	a)	Hot water treatment	b) Solar heat treatment		
	c)	Fungicidal seed treatment	d) Brine water treatment		
Q.6	Wri	Write short notes (Any Two).			
	a)	Powdery mildew of black grar	b) Leaf blotch of turmeric		
	c)	Ergot of bajra			
Q.7	a)	Enlist diseases of soybean. Enumerate symptoms and management strategies for rust of soybean.			
	b)	Describe the symptoms and management of whip smut of sugarcane.			
Q.8	a)	Describe in detail about sesam	um phyllody.		
	b)) Enlist important ear head diseases of sorghum with causal pathogen and write in detail about grain smut of sorghum.			
Q.9	Write primary and secondary source of infection of following diseases.				
	a)	Downy mildew of maize	b) Leaf blight of safflower		
	c)	Alternaria leaf spot of castor	d) Anthracnose of cotton		
			(P.T.O.		

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- Q.10 a) Write transmission, symptoms and management of pigeon pea sterility mosaic.
 - b) Write in brief about the symptoms and management of downy mildew of sunflower.

1.1

SECTION "B"

Q.11 State True or False.

- 1) Long smut of sorghum is internally seed borne.
- 2) Asci without ascocarp are produced in Taphrina infecting turmeric.
- 3) Reddening in cotton can be managed by MgSo4 spray and proper drainage.
- 4) BPMR-145 is powdery mildew resistant variety of mung bean.
- 5) Evident symptoms of charcoal rot of sorghum are lodging and poor grain filling.
- 6) Glomerella tucumanensis is imperfect state of Colletotrichum falcatum.
- 7) Brinjal is alternate host of bajra rust.
- 8) Leaf curl of tobacco is transmitted by aphids.

Q.12 Fill in the blanks.

- 1) Broom rape (Orobanche spp.) is a flowering root parasite of
- 2) _____ causes false smut disease in rice.
- 3) Yellow rust of wheat is caused by
- Yellow mosaic of green gram is spread through______
- 5) Botrytis squamosa causes ______ disease of garlic.
- Wilt of linseed is caused by _____.
- The sexual spore of ergot fungi is _____.
- Secondary spread of ragi blast conidia occurs by _____.
