P. P. SAVANI UNIVERSITY

Third Semester of M.Sc. Examination December-2021

SSBT8030- Agricultural Biotechnology

07.12.2021, Tuesday

Give an account on "Late blight Potato"

Instructions:

Time: 09:00 p.m. to 11:30 p.m.

Maximum Marks: 60

1	The question news and the second seco	
2	The question paper comprises of two sections.	
3	Make suitable assumptions and draw neat figures wherever required. Use of scientific calculator is allowed.	
٥.	Use of scientific calculator is allowed.	
Q.	1 Very Short Questions (A)	
1.	The state of the s	[10]
1.	- Interest inglit and dalk reactions of photographosis	[10]
1.3	1 Bill is to absorb by Chlorophyllag & Chloron 1 1 2	
1.4	and importance of introgen in nature	
1.5	and its role ill filtrogen fixation	
1.6	Which phytohormone is to be first discovered?	
Q.2	Write Short Notes (Attempt any two)	
2.1	Short note on CAM pathway along with all biochemical reactions	[06]
2.2	Give structure and function of nitrite reductase	
2.3	Explain Axial and radial patterning of embryogenesis	
	radial patterning of embryogenesis	
Q.3	1 (recempt any two)	
3.1	short note on growth and development of meristan	[14]
3.2	Explain in detail about calvin cycle along with all biochomical	
3.3	Give an account on Gibberellins biosynthesis and metabolism	
	and metabolism	
	Section-II	
Q.1	Very Short Questions (Attempt any five)	
1.1	Explain morphological marker	[10]
1.2	Differentiate dominant and co-dominant marker	
1.3	Give full form of RFLP & AFLP marker	
1.4	Define: Marker Assisted selection (MAS)	
1.5	Give a name of causal organism for citrus canker disease	
1.6	Define: Siderophore	
0.2		
Q.2	Write Short Notes (Attempt any two)	[06]
2.1	Give classification of markers	[06]
2.2	Differentiate RFLP and AFLP marker	
2.3	Shot note on terpenes compound	
Q.3	Detail questions (Attempt any two)	
3.1	Define: marker. Give its classification and combined	[14]
	Define: marker. Give its classification and explain biochemical and molecular marker with 01 suitable example	
3.2		
3.3	Explain in details about A. tumefaciens mediated gene transfer method	