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M.Sc. II Semester Degree Examination, September/October - 2022 BOTANY

DSC 7 : 21 BOT2C7L : Plant Developmental Biology

Time : 3 HoursMaximum I			larks : 70	
Note: (i) Question number 1 is compulsory. (ii) Answer any five.				
1.	(a)	Explain the meristems of root and shoot apical.	10	
	(b)	Explain lateral root hairs.	4	
2.	(a)	Explain microbial interaction.	7	
	(b)	Explain organogenesis.	7	
3.	(a)	Explain radial patterning during vascular development.	7	
	(b)	Explain leaf growth and differentiation.	7	
4.	(a)	Explain the importance of ABC genes leading to the development of floral organs.	10	
	(b)	Explain the different types of stomatas and its importance in angiosperms.	4	
5.	(a)	Explain microsporogenesis.	7	
	(b)	Explain age dependent path ways.	7	
6.	(a)	Explain embryogenesis in angiosperms.	7	
	(b)	Explain polyembryony.	7	
7.	(a)	Write a note on plant growth harmones.	7	
	(b)	Explain seed dormancy and its importance.	7	
8.	(a)	Write a note on tropisms.	4	
	(b)	Write a note on proteonics.	5	
	(c)	Write a note on plant genomics.	5	

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