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BSc4BotC0401

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B.Sc. Semester - 4 (CBCS) Examination March/April- 2019 BOTANY (CORE)

RE)

Time: Instru 1. Al 2. Fig	ctions l quest	Hours : ions are compulsory. o the right indicate marks.	Marks: 70
Q-1	Give	the answer of following questions.	
	(A)	Answer any one questions.	(14)
	` '	Answer any one question in detail (any one)	(07)
		(1) Discuss anomalous secondary growth in <i>Dracaena</i> .	
	(B)	(2) Discuss anomalous secondary growth in Bignonia.	
	(-)	onorthy answer any one question (any one)	(04)
		(1) Discuss anatomical difference between monocot stem and dicot stem. (2) State the difference between monocot stem and dicot stem.	
	(C)	() State the difference between enring wood and automated	
	(0)	any three)	(03)
		The insertion of parenchyma cells into tracheony element is called	
		The pith of Dignorita is made in of collenchyma tiggues, thus on file-of	
		tymes of -11-	
		(1) Give the fighte of vascular hundal in which sudam assessed it	
		(5) Casparian strip is made up of and macro molecules.	
Q - 2	Give	the answer of following questions.	
	(A)	Answer any one question in detail (any one)	(14)
	, ,	(1) Discuss the development of male gametophyte.	(07)
		(2) Describe double fertilization.	
	(B)	Shortly answer any one question (any one)	
	` ,	(1) Describe Polygonum type of embryo sac development.	(04)
		(2) Describe fritillaria type of embryo sac.	
	(C)	Answer the following question very shortly (any three)	(00)
		(1) Four polar nuclei are observed in which two type of embryo sac.	(03)
		(2) Total number of meiotic division required for forming 100 zygotes/100 grains	
		of wheat is	
		(3) State the function of tube nucleus.	
		(4) What is misogamy?	
		(5) Sate the function of germ pore.	
		,,,	
Q-3	Giv	e the answer of following questions.	(14)
	(A)	Answer any one question in detail (any one)	(07)
		(1) Discuss passive absorption of minerals.	(07)
		(2) Describe mechanism of translocation of foods in plants.	
	(B)	Shortly answer any one question (any one)	(04)
		(1) What is osmotic pressure? Explain it.	(0.)
	(6)	(2) Discuss the mechanism of vernalization.	
	(C)		(03)
		(1) Define - Diffusion.	(-)
		(2) Define - Osmosis.	
		(3) What is imbibition?	
		(4) State the main two causes for seed dormancy.	
		(5) The method employed in softening or weakening of seed coat is known as.	

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Q-4	Give (A)	the answer of following questions. Answer any one question in detail (any one) (1) Describe the different types soil erosion caused by water. (2) Describe any three methods for biological soil conservation.	(14) (07)	
	(B)	Shortly answer any one question (any one) (1) Describe the uses of Remote Sensing. (2) Describe the methods of wind erosion control.	(04)	
,	(C)	Answer the following question very shortly (any three) (1) State the soil particles name and size (2) Define soil erosion. (3) Define soil conservation (4) What is remote sensing? (5) What is the difference between eluviations and illuviation?	(03)	
Q-5	Give 1	the answer of following questions.		
	(A)	Answer any one question in detail (any one)	(14)	
		(1) Describe cytoplasmic inheritance in Mirabillis jalapa (2) What is released to B. F.	(07)	
		(2) What is polyploidy? Describe its types		1
	(B)	Shortly answer any one question (any one)	(0.4)	
		(1) Discuss the methods of mass selection	(04)	
		(2) What is artificial seed? State its application.		
	(C)	Answer the following question very shortly (any three)	10200 W W	
		(1) State the standard size for herbarium sheet	(03)	
		(2) Give the names of the chemicals used for poisoning of Heather.		
		of automic total self duplicating nereditary material of outomic and in the		
		 (4) Who describe cytoplasmic inheritance in yeast? (5) True or false - Varieties produced by pure line selection can't grow in wide area of a country. 		
		wide area of a country.		
		the state of the s		