## www.FirstRanker.com

www.FirstRanker.com

AW-1626

## B.Sc. (Part-I) (Semester-I) Examination BOTANY

## Diversity & Applications of Microbes and Cryptogams

Time : Three Ho				Iours] [Maximum Marks :			0		
Note	e :	(1)	The	There are seven questions in all.					
		(2)		Q. No. 1 is compulsory and carries 8 marks.					
		(3)		Nos. 2-7 carry equal marks.					
				raw neat and well labelled diagrams wherever necessary.					
1.	(A)	Fill	in th	in the blanks:					
(i) Microorganism which grows on dead and dec						d decaying organic matter is known	as		
), Augustio 23			A COLUMN	·			1/2		
		(ii)	The	air bladders are present in		_ algae.	1/2		
(iii)			Wh	ite rust of crucifer is caused by			1/2		
(iv)			Ger	mma cup is found in			1/2		
	(B)	Cho	ose	ose the correct alternatives (MCQ):					
(v)				Male Sex Organ in Chara is known as:					
			1. 1	Nucule	(b)	Spermatium			
				Globule		Carpogonium	1/2		
(vi) T				Teleutospores in <i>Puccinia</i> are					
			(a)	One celled	(b)	Two celled			
			(c)	Three celled	(d)	Four celled	1/2		
(vii)			) The	The spore producing organ in Equisetum is:					
			(a)	Sporocarp	(b)	Strobilus			
			(c)		(d)	Zoosporangium	1/2		
(viii			OS disease is caused by						
			8.6	HIV	(b)	TMV			
				Bacteria	(d)	Fungi	1/2		
	(C)			ver in one sentence :					
(ix) What is Fertilization?							1		
(x) Which Fungus causes Tikka Disease of Groundnut?							1		
			What is Protostele?						
_	_		) What are Lichens?						
2.	- 5	lain							
	(a)			characters of Cryptogams.			4		
	(b)			e of TMV.			4		
	(c) Role of microbes in Agriculture.			microbes in Agriculture.	2		4		

OR



Ų F	irstra	anker's choice	www.FirstRanker.com	www.FirstRanker.co	m				
	(d)	Cell structure of Ba	cteria		4				
	(e)	Autotrophic Bacteria	а		4				
	(f)	Role of microbes in	medicine.		4				
3.	Des	cribe in detail structo	are of Thallus and Asexual Repro	duction in Oedogonium.	12				
			OR						
	Exp	lain :							
	(g)	Thallus structure in	Sargassum		6				
	(h)	Sex Organs in Char	ra		6				
4.	Exp	Explain:							
	(i)	Sex Organs in Albu	go		4				
	(j)	Telial stage in Pucc	inia		4				
	(k)	General characters	of Deuteromycotina		4				
			OR						
	(l)	Asexual Reproducti	on in Aspergillus		4				
	(m)	Uredial stage in Pu	ccinia		4				
	(n)	Economic importan	ce of Lichens.		4				
5.	Exp	Explain:							
	(o)	L.S. of Antheridiop	hore of Marchantia		6				
	(p)	L.S. of Capsule in	Funcria		6				
			OR						
	(q)	L.S. of Antheridial	branch in Funaria		6				
	(r)	L.S. Sporophyte of	Marchantia		6				
6.	Exp	Explain:							
	(s)	Types of Siphonosts	ele in Pteridophytes		4				
	(t)	L.S. of Strobilus in	Equisetum		4				
	(u)	T.S. of Marsilea Po	tiole		4				
			OR						
	Dra	w well labelled diag	rams only :						
	(v)		Equisetum (Internode)		4				
		T.S. Rhizome of $M$			4				
	(x)	H.L.S. Sporocarp o	f Marsilea		4				
7.	Exp	Explain:							
	(y)	Charles III Aut	ce of Algae in Food		4				
	(z)	Black arm of cotton			4				
	(a)	Types of Mycorrhiz			4				
	22 30		OR						
	(b)	Role of Fungi in m			4				
	(c)	Tikka disease of G			4				
	(d)	Harmful Aspects of	Algwww.FirstRanker.com		4				

YBC—15200 2 625