This question paper contains 3 printed pages]

Y-99-2019

FACULTY OF SCIENCE

B.Sc. (Second Year) (Fourth Semester) (Regular) EXAMINATION OCTOBER/NOVEMBER, 2019

BOTANY

Paper IX

(Ecology and Environmental Biology)

(MCQ & Theory)

11me: 2.00 p.m. to 4.00 p.m.
Maximum Marks—40
able diagrams.
10
Hanstein
Odum
S
Thermosphere
Mesosphere
called as
halophytes
None of these
of
halophytes
None of these

P.T.O.

WT			(2)		Y—99—2019		
	(v)	Well	developed root system, thick	cuticle	and sunken stomata are found		
		in					
		(a)	xerophytes	(b)	halophytes		
		(c)	hydrophytes	(d)	None of these		
	(vi)		relastionship where two popularces in the habitat is	12726	s complete each other for same		
		(a)	Neutralism	(b)	Competition		
		(c)	Mutualism	(d)	None of these		
	(vii)		plants having perennating	buds	on under ground plant body		
		(a)	Chamaephytes	(b)	Cryptophytes		
		(c)	Therophytes	(d)	None of these		
	(viii)	The conversion of amino acids and proteins into ammonia is called					
		as					
		(a)	ammonification	(b)	nitrogen fixation		
		(c)	nitrification	(d)	denitrification		
	(ix)	The	causes of soil pollution are	87.87 87.88	······		
26	5500	(a)	Urbanization	<i>(b)</i>	Industrialization		
160		(c)	Population increase	(<i>d</i>)	All of these		
3000 3000	(x)	The	chipko movement was initiat	ed by.			
N.D.		(a)	Medha Patkar	(<i>b</i>)	Sunderlal Bahuguna		
000		(c)	Rajendra Singh	(d)	Anna Hajare.		
	SOBALL S	3000	Theory				
2.	What	are ec	ological factors? Describe light	and to	emperature as ecological factors.		

WT		(5	3)		Y—99—2019
			0	r		
	Write	notes on:		Si di		
	(a)	Soil profile		9, 4, 9, 4, 9, 4, 9, 4, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9,		
	(<i>b</i>)	Hydrilla stem.				
3.	What	are xerophytes? Describe	m	orphological	and anatomical	adaptations
	in xe	ophytes.	2			10
			O			
	Write	notes on:	30 D			
	(<i>a</i>)	Pond ecosystem				2008 2008
	(<i>b</i>)	Pyramid of energy.				
4.	Descr	ibe in detail Nitrogen cycl	e i	n ecosystem.		10
			O			
	Write	notes on:	93			
	(a)	Soil conservation	500		A SEE	

Grassland ecosystem.

(*b*)