BOTANY Paper-B

(Plant Ecology)

Time Allowed: Three Hours	Waximum Warks 30
Note: Attempt five questions in all, sel	ecting two questions from each Unit.
Question No. 1 is compulsory. Di	raw diagrams where required.
1. (a) M.C.Qs.:	or we do the parents of the second
	which are not eaten by others called
top carnivores, occupy	which trophic level:
(a) T_3	(b) T ₄
(c) T_5	(d) T_6
(ii) The term succession wa	as coined by:
(a) Tansley	(b) Hult
· (c) Odum	(d) None of these
(iii) The shape of pyramid of	of number in Forest ecosystem is:
(a) Upright	(b) Spindle
(c) Inverted	(d) None of these
(iv) Plants which avoid calc	cium containing soils are known as:
(a) Calicoles	(b) Calcifuges
(c) Xerophytes	(d) None of these
(v) The amount of living	material present in an ecosystem is
known as:	and Goody Stelling
(a) Standing state	(b) Production
(c) Standing crop	(d) None of these

(vi)	The process of falling of trees due to w	ind is called:
	(a) Lodging (b) Wind	
	(c) Tumbling (d) Defo	•
(b) Fill	in the blanks:	it is the solly week.
(vii)	The chresard indicates the amount of	water in soil which is
William I.	··················· 10 hlante	
(viii)	The primary consumers are also known	ope question
(ix)	The pollination by bats is known as	as
(x)	The type of caudey found in David	maA, in
(xi)	The type of caudex found in Bamboos i	s called
	Those plants which have wide tolera called	nce to temperature is
(xii)		ica(d. (m) in
\$1	The transfer of energy between two tras	
		12×1=12
2 Write o	UNIT-I	
(a) So	in account on the following: 396783	3 each
	oil profile	
	oil water	W stay of
grouth	detail account on effect of topographic	factors on distribution,
growin	and physiology of plants.	6
	UNIT-II	mose selectional to
4. Write i	notes on the following:	3 each
(a) Al	biotic and Biotic components of Ecosyst	em
(b) W	hat is biogeochemical cycle? Explain w	ith diagram of Nitrogon
Cy	YCIC:	in the state of the state of
5. Write	an account on the following:	3 each
(a) E	cological pyramids of Biomass.	3 Cacil
(b) D	etritus food chain.	old in the last
	UNIT-III	to the part of
6. What	is Succession? Describe xerosere in de	
diagra	m	etail with examples and
	notes on the following:	6
(a) B	Biological spectrum	3 each
	Quantative characters of community	Anna Larraig a 3
(0)		
	UNIT-IV	
	notes on the following:	3 each
(a) C	Ozone depletion was a self-wangsom se	n isisotiyo siC
(b) P	Photochemical smog	
	an account on the following:	3 each
(a) R	Renewable resources of energy	/
	Acid rain.	