	2019-2020	15:50	BOTA	NY T	Annual	Examination	
Name and Address of the Owner, where the Owner, which is the Ow		1000	Section	A STATE OF THE PARTY OF THE PAR			
		(Multiple C		estions (MC	Q's)		
2.1	Choose the co	rrect answ	er for each	from the gi	ven option	91	
I)	During the droi	inht conditio	ns to redu	on the rate of	transpiratio	n in plants, the	
heric	ic acid is release		110-10-1000		ar an ingenior	Marie Processor	
Wacia	(a) Gurad cell	(b) h	Aneonhyll c	ell (c) Ro	ot haris (d)	Xviem	
iis.	When ecologic	al europeolo	in occurs o	n de terrestr	int places lik	e rocks, it is	
11)		ali successio	iei oddura u	iii ury terresti	iai piaces in	o tours, it so	
alled		(63.6	hukonono	(a) Ro	ot hairs (d)	Hudrach	
THE .	(a) Xerosere Mendel's secon	(D) P	sydrosere	an ha daman	etrated by	, iyou aaa	
iii)				cross (c) Dil			
	(a) Monohybric		(D) rest	cross (c) Di	тушти стооо		
	(d) Both (a) an	7.7	ford street	na Hannah In			
Iv)	-The nature of e			ge tissue) is . (d) 4ħ	i		
	(a) N	(p) 5M	(o) 3N			solds enuld be	
V)		nitrogenous	bases on	mena, now	many amino	acids could be	
codec			100	(n no			
	(a) 20	(b) 30	(c) 40	(d) 60	1		
(vi)	Vertically se	a is divided	into	zone	8.		
	(a) Neritic ar	nd oceanic	4,000		ic and aphot	ic	
	(c) Euphotic,			(d) Bathyal	and abyess		
(vii)	Plasmolysis	can occur, v	when a plan	nt cell ins pla	ced in	solution.	
10.0	(a) Hyperton	ic (b) Hypotonic	(0)	Isotonic (d) None of these	
(viii)		ndary growth	h, the part of	of xylem beco	omes none f	unctional for	
tran	sport, due to sor	me chemica	and physi	cal changes	this part of x	vlem is	
calle	edbe		ON THE PROPERTY OF STREET			ATTENDED TO	
	(a) Sap-wood	d (b)	Hoart woo	od (c)L	enticel (d) Autumn wood	
24		Sec	tion-B (S	hort Answer	The state of the s	A STATE OF THE PARTY OF THE PAR	
Q.2		en does the	meiotic err	or take place	17		
Q.3	Enisht eh typ	es of plant i	movements	that occur in	radially syr	nmetrical parts in	7
resp	ionse to externa	stimuli, Als	o write the	nature of stir	nulus agains	st each type.	
Q.4	What is APIC	CAL DOMINA	ANCE? WI	nich hormone	s maintains	117	
Q.5	Give role of o	different hon	mones in pi	lant moveme	nt?		
0,6	Why gymnos	perms are o	alled heter	osporous? E	nlist the cell	s of their male	
gam	etophyte.						
Q.7	How did Hers	shey and Ch	ase differe	ntiate between	en DNA and	proteins in their	1
expe	eriments, while p	roving that I	DNA is hen	editary mater	ial,	/	
0.8	Define any T					4,	
	(i)Spadix		Nucleoson	ne (III) I	Phytochrom	es	
Q.9	How the envi			tundra are i	not favourab	le for producers	
	consumers?						
Q.10	Distinguish be	etween any	ONE of the	following in	tabulated fo	rm.	
	(i) Mesophyte	is and Hydro	ophytes.	(ii) Hydrose	re and Xero	sere	
Q.11	Why humidity	is two at his	gh altitudes	and how the	a rate of tran	spiration in	.60
neut	ralized there?					A CONTRACTOR	
Q.12	How does "Cl	hromosoma	theory of I	heredity". Jus	tifies Mendi	's works? Give	
any !	hree points.					NAME OF THE OWNER.	
Q.13	What are CO	NDONS and	ANTI-CO	DONS. How	they work in	protein	
synti	nesis?						
Q.14	How sex in de	etermined in	human be	ing?			
Q.16	Give any TW	O events of	each G1 as	ndG2 phases	occur durin	g interphase of	
Mitos	is?						
		Section	n-C (Descr	iptive Answ	er)		
Q.16	CALL STREET, S	s for the alte	eration in ge	enetic materi	al. What are	the types of	
chron	nosomal aberral	tion?					
Q.17		cell division	result equ	al quantitativ	e and unequ	ual qualitative	
distri	bution of chromo	somes? De	scribe with	the help of d	lianram.		
Q.18	A man whose	father is no	rmal and m	other is colo	ur blind mar	ries a carrier	160
wom	an? What will be	the expecte	ed phenoty	pe proportion	in their chili	dren? (Prove it	
with 1	the help of genet	tic crosses)	Gene for no	ormal = (Gen	e for colour	blind - (n)	
OR	What is UP-W	ELLING? D	escribe the	marine life in	n various zo	nes of the sea.	
						The same of the sa	