	2016-2017			BOTANY		Ann	ual Exam	ination
-				Section-A			-	
		(Mu	Itiple	Choice Ques	tion (MCC	(s's)		
2.1	Choose the co							
1)	The net movement of molecules remains in equilibrium when a cell is place din:							
	(a) Hypotonic solution (b) Hypertonic solution							
27	(c) Isotonic solution (d) None of these  Which one of the following will not lead to cell-division and cell-elongation?							
ii)								
	(a) Auxins Which one of th			dokinins	(c) Gibb			Ethene
(iii)	(a)Apomixis			natural methor lors formstion			Propagatio	
	(d) All of those		(p) of	ore tormetion	(c) vege	Manyo	Propagatio	"
(iv)		h deten	nrine ti	ne homozvaos	ity or heter	ozvao	sity of the in	dividual:
14.5	The cross which determine the homozygosity or heterozygosity of the individual:  (a) Back-cross (b) Test-cross (c) Both (a) and (b)							
	(d) None of these							
CA.				and the contribute of the t	an of south	autho e	harastan r	on mod
(V)	Aphenomemor			e in which alle	es or contr	asug c	manaciers a	renot
compe	etely dominant o			(b) Intermed	late domin	9900		
	(a) Complete de (c) Incomplete			(d) None of t		ianice.		
(vi)	Atype of enviro				organism i	s calle	dits:	
	(a) Habital		(b) P	opulation	(c) Syrr	biosis	(d) Ecolog	ical-Niche
(vii)	Light zone of or	cean is			Contract	itio.	(a) hinner	dinner
(viii)	(a) Euphotic Klinefeltor's sy	ndoese		photic n example of:	(c) Mer	ide	(d) None o	JI 11050
(willy	(a) Trisomic	HUUHUR		onosomic	(c) Null	somic	(d) None	of these
(lx)	One complete	turn of [						
0.00	(a) 2 Nucleotide		(b)5	Nucleotides	(c) 10 N	lucleo	tides	
	(d)20Nucleotid	es		2 12 12				
				Section-I				
Noto:	Answer any T	EM of the	he fol	(Short Ansy		nuest	ion carries	02 marks
Q.2					one.Each	duaer	ion carries	OZ marks.
Q.3	How plants respond to drought stress? Why does wilting of leaves take place in to summer days?							
Q.4	How phenotypic ratio of dihybrid Mendoelli an cross can modify? Explain.							
Q.5	What is INCOM						0	
0.6	Give alternativ				C-EMBRY	O-SA	CROLLEN	3, RIPENED
	OVERY and R	IPENE	DOV	JLE	_	_	-4	
Q.7	Define any Two	of the	follow	ing:				.0.
144	(i) Phellogen				nversion		(Iv) Pleiot	opy
0.8	Distinguish bet							9
	Define any Two of the following: (i) Phellogen (ii) Spikelete (iii) Inversion (iv) Pleiotropy Distinguish between any "ONE" of the following: (a) Racemoes and cymose inflorescnece of Marine Habital. (b) Apoptosis and necrosis							
Q.9	(b) Apoptosis and necrosis Why H.O is considered as limiting factor of Ecosystem?							
Q.10	What is evolutionary significance of diplotene stage?							
Q.11	Name and descrige the phenomenon by which plants can produce seeds without							
0.40	their flowers be							
Q.12 Q.13	Give role of Phytohomromones in plant movements.							
Q.14	How abnormal Eukarytic cell differs form normal Eukarytoic cell? What are Heliophytes and Sciophytes?							
	Trional of Tollo	priyecus		Section-0	,			
				Descriptive Ar	iswer)			
Note:	Answer any TWO of the following questions.							
0.15	What is DIHYBRID cross? Describe the law of INHERTIANCE which explains							
	inheritance of d	lihybrid	cross	7				
OR								
	A male has co-							
	Homozygous A both have a male child who marries with a femal with RECESSIVE							
	blood group. W	hatwill	be the	chances of blo	ood groups	in the	ir children?	Prove it
with th	e help of Genetic						4	
2.16	What is Gene?				e form of f	low chi	art? How dit	ferent RNAs
	play their role d	100	0.000					
Q.17	How seed dev				be differé	nt con	ditions requ	ired for this
	transformation also give their ways?							