HIGHER SECONDARY QUARTERLY EXAMINATION - 2017 BIOLOGY

35.

	1	$\mathbf{Z} - Std$			TOTANT		Mark	s : 150
	Ti	ime : 3.00 Hi	'S	The Start Starter	- BOTANY		Mark	s:150
	-804				PART-A		. 14	V1 - 14
		Noto : Answ	ver All questions. C	hoose the corre	ct answers :-	L. L. L. Lann VOI	14	X1=14
	1.	Which syste	m of classification	helps to deterr	nine the relation	nships between var am d) Biosystematic	ious groups of	plants
	1.	- A A Alt - I al a	histom (b) Not	ural system CIFI	lylogenence syste	m d) Biosystematic		145
	2	The name of	of the family is alwa	ys based on	a) Author b) Species (E) Type	genus aj Pic	ice
	2. 3.	Pact tibra is	obtained from					
	5.	Bust libiscus	cannabinus b) Hil	biscus esculant	a c) Gossypiu	um barbadans d)	Gossypium hirs	utum
	3							
	4.	SEuphorbi	a pulcherima b	Euphorbia tiru	calli c) Eupho	orbia antiquorum	d) Croton spc	irciflorus
	6	e e proprior bi	the young organs	is provided by				
	5.	Strength to	h) Pare	nchyma	Collenchym	a d) Chlorer	ichyma	
		a) scierencr	nyma b) Pare nducting tissue in (Symposperms	g/			
(6.	The food co	naucting issue in t	atube	CDSieve cells	d) Compo	nion cells	
	2.	a) Xylem ves	sels b) Sieve	enorian String	al It conducts	water and mineral	s to xylem	
1	Ż.	The importa	nt functions of Cu	spanar sinps	a) It provides m	echanical strenat	n	
		b) If conduc	ts water from com	ex to xylent	~ vylem	nechanical strength		
		() It prevent	s re-entry of water	into cortex itor	n kylen.			
8	3.	'One gene d	one enzyme hypoth	nesis was propo	seu by	Icon and Stahl	Beadle and	d Tatum
		a) Waton ar	nd crick b) BC	atson and Punn	et c) Messe	ison and sidni		
9	γ.		ion of chromosom	le takes place	n which stage	- Dialatona		
•		a) Leptoten	e b) Zygot	ene .@	Pachytene	d) Diplotene		
1	0.	The chromos	somal aberration L	useful in the evo	olution of the org	janism is		a
		GD Duplication	on b) Dele	tion c) In	version d) Ira	nslocation		
1	1.	The internuc	leotide distance o	fDNA GP3	.4 A° b) 34	A° c) 20 A	° d) 10	A
	2.	The genetico	ally engineered pro	ducts reduces	blood pressure			J.
	-	Renin inhi	bitor b) Insuli	in c) Int	terferon d)	Interleukin		
1	3.	Biodegradat	ala plastic is obtair	ned from		· 14		
		al Arabidani	thaliana (h)	Mouse eared c	ress c)	Avena sativa	d) Glyci	ne max
1.	4	The bactoriu	m canable of ma	tabolizing hydro	ocarbons more	efficiently and aro	w rapidly is	
		aleseudomo	nas putida b) l	Bacillus thuringi	ensis c) Strept	omyces hygroscor	picus d) Bacil	lus Subtilis
	0			Se	ction -B			
		Noto : Answ	er any seven que					7 X 3 = 21
10	-	Write the gir	is of faxonomy. 1		,	1		
15		while the din	florescence of the	family Solana	eae with exam	ples. ¹⁸		
16		write meeni	forescence of inc	n Musa and Pa	venala		*	
17		Write three di	fferences betwee	in Musu unu ku	vertaid.			
18		Write the spe	cial features of sie	ve tube. 4.				
19		Draw and lab	bel the parts of xyl	em vessel.	12			
20).	Draw and lat	pel the parts of lar	np brush chror	nosome.6			
21		Define 'Gene	. 69					
22		What is Totipo	otency? 14		•	•		
23		What is splicir		2				
24			nce RNA?		322			
2.1.				Sec	tions - C			
		Note · (i)	Answer any fou	r auestions	including que	estion no. 25 wi	nich is Cor	npulsory.
	÷ .	(ii) Draw Dia	grams wherever n	ecessary			4 x 5 =	20
0.5			giums wherever n	of classificati	00 2 -			
25.		Explain the pr	hylogenetic system		nic 25		s	
26.		Describe the	female flower of R	icinus cominu	115. 00			•
27.		What is the ro	le of transgenic pl	ants in jood in	ausilyeq			
28.		Write the signi	ficance of ploidy.	71			121	
29.		Explain the dif	ferent types of ch	nromosomes bo	ased on the pos	sition of centrome	re.6	6-11) Par
30.		Tabulate the d	differences betwe	en vasculår bu	undles of Dicots	stem and monoco	t stem. 5 6	U.
31.	•	Explain the typ	bes of sclerides. 2	1				
			5	/ Se	ction D			
	1.1	Note · (i) Anes	wer any two ques			ever necessary.		2x10=20
20		al Write the d	amorite of Boothow	n and Hooker	s sustem of class	sification 11		
32.		u) while the de	emerits of Bentha	n unu nooker	s system of clus	1.1	4	
-1990 N	1	b) Describe th	e economic impo	rrance of fami	ly solanaccae.			
33.			ium? Explain the			c.munaa	(F)	
34.			nternal structure of			1218		

Describe the DNA recombinant technology.

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2 - Biology - XII - Quarterly Exam - 2017 Part -II (Zoology)	Marks – 75
Section – A Note - i) Answer all the questions. ii) Choose and write the correct answer.	16x1 = 16
1. In food grains starch is available as a) Pectin b) Amylopectin c) Pectin and amylopectin	d) Glycogen
2. Pellagra is the deficiency disease of a) Pyridoxine b) <u>Niacin</u> c) Biotin	d) Cyano cobalamine
Di Lactobacinus ci mycobacteriani taberoarao	eptococcus
al Fullullivelitis Di Wiyastrici ila gravis of ricarrente	d) Atherosclerosis
5 The first human heart transplant was performed in the year a) 1959 b) 1958 c) <u>1967</u>	d) 1966
a) Tyrosine b) Theorine it is father filtration in glomenulus	rosine and Tryphtophan
a) 25mm Hg b) 50mm Hg c) / 5mm Hg	5
a) Zono pellucida b) Corona radiata c) mieca	a) Isohedral symmetry
 9. The type of symmetry present in blue tonged virus is b) Helical surface symmetry c) Complex symmetry d) Trichomonads d) Leishmania donavani d) Leishmania tropica 	d) Asymmetry b) Giardia intestinalis
 a) Congivitis is caused by b) Congivitis is caused by c) Leishmania donavani d) Lesihmania tropica 11 Which of the following is bacterial antibiotic? a) Cycloguaposine 	
a) Ampicillin b) Griseotulvin c) Cyclogdanosinc a) O	d) Imidazole ropharyngeal candidiasis
b) Kaposis sarcoma	e d) <u>Septicemia</u>
	umoral Immunity only hagocytosis
14. Largest lymphoid organ is a) Thymus b) Spleen c) Bursa of fabricius d) B	one marrow
15. Graft between syngenic individuals are b) isograft c) Allograft d) X	enograft leavy chain only
16. Hyper variability regions are present in () and Light chains () D	ark chain 8x3=24
Section –B Note - Answer any eight quotienter	
 18. What is Herring – Breuer reflex? 19. What is menstrual cycle? 	
20. Define BMI. What is Retinonathy? Write about their types.	
22. Write any three causes for diabetes. 23. What is transduction? Write about their types.	
24. What is Plathogeneous?	·
26. State the functions of spiceri.	
27. Distinguish between mune disease. 28. Write ab out autoimmune disease. Section –C Note – Answer any three Questions including Question no.31	Which is compulsory.
29 Explain the structure of the above b) Hepatitis B	3x5 = 15
30. Write about an indes with diagram.	
32. Describe the mechanism of rulation and the fate of empty graffian	2x10 = 20
Section D Note - Answer any traction.	
 34. Write an essay of muscle of Male reproductive system. 35. Describe the functioning of Male reproductive system. 36. What is diabetes mellitus? Write about their types, symptoms a 37. Give an ac count of Bone fracture and the healing mechanism of a second system. 	f bone fracture.
37. Give an account of Bone fracture and a =================================	