V.M.G.R.R SRI SARADA SAKTHI MAT. HR. SEC. SCHOOL					
STD: XII	BIOLOGY		MARKS-50		
	 [BIO – BOTAN	Y MARKS-25		
I.CHOOSE THE COR 1. First cell of male gam		is	50 X1=50		
a) Microspore	b) megaspore	c) Nucleus	d) Primary Endosperm Nucleus		
2 . In majority of plants	pollen is liberated at				
a) 1 celled stage	b) 2 celled stage c	e) 3 celled stage	d) 4 celled stage		
3. Which one of the follo	owing is an example of	polygenic inher	ritance?		
a) Flower colour	in Mirabilis Jalapa b) Production of	male honey bee		
c) Pod shape in g	arden pea d) Skin Colour ir	n humans		
4In his classic experim	ents on Pea plants, Mer	ndel did not use			
a) Flowering pos	ition b) Seed colour c)) Pod length	d) Seed shape		
a) A to T, T to A, c) C to G, A to G. 6. If haploid number in a a) 35 and 37 7. EcoRI cleaves DNA at a) AGGGTT 8. Match the following: Column A 1 Exonuclease 2 Endonuclease 3 Alkaline Phosphatase 4 Ligase 1 2 A) a b B) c d C) a c D) c d	C to G and G to C T to A and G to A cell is 18. The double m b) 34 and 35 c b) GTATATC c Column a. add or remove b. binding the DN fragments c. cut the DNA at d. cut the DNA a d. cut the DNA a b a b d a b	b) A to G, d) G to C, 2 nonosomic and to 37 and 35) GAATTC In B phosphate NA t terminus t middle	d) TATAGC		
a) 10 to 30 minutes and c) 15 to 20 minutes and 10. Virus free plants are	nd 125° C b) nd 125° C d) developed from Meristem culture c) lant produces cardiac g) Acacia c) le for plants is ater b) chemica	15 to 30 minutes 10 to 20 minutes Protoplast cultur lycosides? Nepenthes	s and 121° C re d) Cell suspension culture d) Utricularia		

	a) Myrmecophily b) Ecological e	equivalents c) Mi	•			
14.	Profundal zone is predominated by heter					
	a) with effective light penetration	b) no effective light p	enetration			
15	c) complete absence of light	d) a and b	:			
13.	Which of the following is / are not the med a) Eluviation b) Catabolism		abolism d) Fragmentation			
16	The plants which are grown in silivpastu		adonsin d) Fragmentation			
10.		num and Crotalaria				
	· · · · · · · · · · · · · · · · · · ·					
17	c) Clitoria and Begonia d) Teak and sandal 7. Jaya and Ratna are the semi dwarf varieties of					
1,,	a) wheat b) rice	c) cowpea	d) mustard			
18.	Match Column I with Column II	c) compos	o) mostard			
	Column I	Column II				
	i) William S. Gaud	I) Heterosis	. (7)			
	ii) Shull	II) Mutation breeding				
	iii) Cotton Mather	III) Green revolution				
	iv) Muller and Stadler	IV) Natural hybridiza	ation			
	a) $i - I$, $ii - II$, $iii - III$, $iv - IV$	b) $i - III$, $ii - I$, $iii - I$	V, iv – II			
	c) $i - IV$, $ii - II$, $iii - I$, $iv - IV$	d) $i - II$, $ii - IV$, $iii - IV$	III, iv – I			
19.	Dwarfing gene of wheat is		. (%)			
	a) pal 1 b) Atomita 1	c) Norin 10	d) pelita 2			
20.	Assertion: Vegetables are important par					
	Reason: Vegetables are succulent struc	ctures of plants with pl	easant aroma and flavours.			
	a) Assertion is correct, Reason	is wrong				
	b) Assertion is wrong, Reason	is correct				
	c) Both are correct and reason	is the correct explanat	ion for assertion.			
	d) Both are correct and reason	7				
21.	Tectona grandis is coming under family					
	a) Lamiaceae b) Fabaceae	c) Dipterocai	paceae d) Ebenaceae			
22.	Which one of the following matches is c	orrect?	-			
	a) Palmyra - Native of Brazil	b) Saccharun - Abund	lant in Kanyakumari			
	c) Steveocide - Natural sweetener		nented to give ethanol			
23.	In which techniques Ethidium Bromide i	s used?	<u> </u>			
	a. Southern Blotting techniques	b. Western Blotting to	echniques			
	c. Polymerase Chain Reaction	d. Agrose Gel Electro	porosis			
24.	"Gametes are never hybrid". This is a state	ement of				
	a) Law of dominance	b) Law of independen	at assortment			
	c) Law of segregation	d) Law of random fer	tilization			
25.	In Haplopappus gracilis, number of chron	nosomes in cells of nuc	cellus is 4. What will be the chromosome			
	nber in Primary endosperm cell?					
	a)8 b)12	c)6	d)2			
	BIO -ZOOLOGY	,	MARKS-25			
26			WARKS-23			
20.	Animals giving birth to young ones: a) Oviparousb) Oviviviparous	c) Viviparous	d) Both a and b			
27		· •	•			
21.	27. Assertion: In bee society, all the members are diploid except drones.					
	Reason: Drones are produced by parthenogenesis.					
	A. If both A and R are true and R is correct explanation for A B If both A and R are true but R is not the correct explanation for A					
		the correct explanation	II IOI A			
	C. If A is true but R is false D. If both A and R are false.					
	D. II DOULA AND K ARE TAISE.					

28.	Colostrum is rich in				
	a. Ig E b. Ig A	c. Ig D	d. Ig M		
29.	Find the wrongly matched pair				
	a. Bleeding phase - fall in oestrogen and				
	<u>-</u>	rogesterone			
	_	rise in oestroge			
	<u>.</u>	rise in FSH leve	el		
	* *	LH surge			
30.	The process which the sperm und		_		
	_		c. Spermiogenesis	d. Capacitation	
31.	A contraceptive pill prevents ovula	•			
	(a) blocking fallopian tube	(b) inhi	biting release of FSH ar	nd LH	
	(c) stimulating release of FSH	and LH (d) caus	sing immediate degener	ation of released ovum.	
32.	Match column I with column II and	d select the corr	ect option.	. (7)	
	Column I	Column II			
) LNG-20			
	IUD B. Hormone releasing (i	i) Linnas laan IIII	1		
		i) Lippes loop IUI ii) Saheli	,		
		v) Multiload-375			
	(a) A-(iv), B-(ii), C-(i)	, D-(iii)	(b) A-(iv), B-(i), C-(iii)), D-(ii)	
	(c) A-(i), B-(iv), C-(ii)	, D-(iii)	(d) A-(iv), B-(i), C-(ii)	, D-(iii)	
33.				pecially inborn errors of metabolism	
	a)Euphenics b) Euge		c) Euthenics	d) All of these	
34.	A marriage between a colourblind		nal woman produces	,	
	a)All carrier daughters and nor	rmal sons b)5	50% carrier daughters, 5	50% normal daughters	
	c)50% colourblind sons, 50% i	normal sons d)	All carrier offsprings		
35.	DNA and RNA are similar with r	respect to			
	a) Thymine as a nitrogen base	espect to			
	b) A single-stranded helix shap	oe /			
	c) Nucleotide containing sugar	rs, nitrogen base	s and phosphates		
	d) The same sequence of nucle	eotides for the ar	mino acid phenyl alanin	e	
36.	A mRNA molecule is produced by				
		nscription	c) Duplication	d) Translation	
37.	Who proposed the Germplasm theorem				
		ust Weismann	c) Lamarck	d) Alfred Wallace	
38.	Which period was called "Age of f				
	a) Permian b) Tria		c) Devonian	d) Ordovician	
40.	The wings of birds and butterflies	-			
	a) Adaptive radiation b) conve	ergent evolution	c) divergent evolution	d) variation	
41.	Allergy involves				
	a) IgE b) IgG		c) lgA	d) IgM	
42.	Which of the following is not inv	olved in nitroge	en fixation?		
	a) Pseudomonas b) Azo	tobacter	c) Anabaena	d) Nostac	
43.	Which of the following pair is corr	ectly matched f	or the product produced	I by them?	
	a) Acetobacter aceti - Antibiot	ics b) Meth	hanobacterium - Lactic	acid	
	c) Penicilium notatum - Acetic		charomyces cerevisiae -	Ethanol	
44.	How many amino acids are arrange				
	a) Chain A has 12 and Chain B has 13 b) Chain A has 21 and Chain B has 30 amino acids				
	c) Chain A has 20 and chain B				
15	d) Chain A has 12 and chain B				
45.	Organisms which can survive a wi	ue range of tem	peratuer are called		

	a) Ectotherms	b) Eurytherms	c) Endotherms	d) Stenotherms			
46.	46. Animals that can move from fresh water to sea called as						
	a) Stenothermal	b) Eurythermal	c) Catadromous	d) Anadromous			
47.	Which one of the following	ing is not coming under in	nsitu conservation				
	a)Sanctuaries	b) Natural parks	c) Zoological park	d) Biosphere reserve			
48.	48. Which one of the following are at high risk extinction due to habitat destruction						
	a) Mammals	b) Birds	c) Amphibians	d) Echinoderms			
49.	Excess of fluoride in drir	nking water causes:					
	a) Lung disease	b) Intestinal infection	c) Fluorosis	d) None of the above			
50. The 'thickness' of Stratospheric Ozone layer is measured in/on:							
	a) Sieverts units	b) Dobson units	c) Melson units	d)Beaufort Scale			
