1.	The	term Niche refers to			
	(A)	Place of living	20		
	(B)	Specific function			
**	(C)	Habitat and specific function			
	(D)	Diversity at species level			
2.	The	most abundant element present in plant is			
	(A)	Nitrogen			
	(B)	Iron			
	(C)	Carbon			
	(D)	Silicon			
3.	Blig	tht of rice is caused by			
-03	(A)	Xanthomonas			
	(B)	Pseudomonas			
	(C)	Phytophthora			
	(D)	Gibberella	8		
	Th				
4.		enzyme used for recombinant DNA technology is			
	(A)	Restriction enzyme			
	(B)	Allosteric enzyme			
	(C)	Chemically synthesized enzyme	*		
	(D)	Lysozyme			
5.	Ale	urone layer is present in			
	(A)	Bacterial biofilm			
	(B)	Virus infected plant cell			
	(C)	Pathogenic fungi			
	(D)	Seed			
6.	Virus free plant can be obtained by				
	(A)	Antibiotic treatment			
	(B)	Bordeaux mixture			
	(C)	Root tip culture			
	(D)	Shoot tip culture			
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	(D)	Conjugation			
	(C)	Transformation			
	(B)	Transduction			
	(A)	Binary fission			
12.	Transfer of genetic material from one bacterium to another through cell contact is called				
	,—,				
	(D)	Extracellular DNA in bacteria			
	(C)	Nuclear material in bacteria			
	(B)	Nuclear material in Volvox			
	(A)	Extrachromosomal genetic material			
11.	Nuc	leoid is			
	(D)	Gene			
	(C)	Membrane			
	(B)	Cell wall			
	(A)	Plasmid			
10.	The term episome refers to a type of				
	(D)	Flagella			
	(C)	Outer membrane			
	(B)	Plasma membrane			
	(A)	Cell wall			
9.	Teic	hoic acid is present in which cell component in bacteria?			
	(D)	Cytological characteristics of organisms			
	(D)	Cytological characteristics of organisms			
	(C)	Evolutionary relationship			
	(B)	Quantitative assessment of similarities and differences between organisms			
0.	(A)	ogenetic system of classification is based on Biochemical properties			
8.	- A - A - A - A - A - A - A - A - A - A	against a greatery of alagrification in based on			
	(D)	Prostista			
	(C)	Monera			
	(B)	Plantae			
	(A)	Fungi			
7.	Fron	the list below select the group that includes protozoa, protistan algae, slime moulds.			

13.	Micr	ofibrils are composed of			
	(A)	Hemicellulose			
	(B)	Cellulose			
	(C)	Peptidoglycan			
	(D)	Lignin			
14.	The	endosperm of Cycas is			
	(A)	Diploid			
	(B)	Triploid			
	(C)	Haploid			
	(D)	Tetraploid			
15.	Strue	ctural material of fungal cell wall is			
	(A)	Chitin			
	(B)	Pectin			
	(C)	Cellulose			
	(D)	Peptidoglycan			
16.	Interconnected flattened sacs of endoplasmic reticulum is called				
	(A)	Cisternae			
	(B)	Ribosomes			
	(C)	Tubules			
	(D)	Stroma			
17.	Elec	tron transport chain is located on			
	(A)	Inner membrane of mitochondria			
	(B)	Matrix of mitochondria			
	(C)	Outer membrane of mitochondria			
	(D)	Intermembraneous space between two membranes of mitochondria			
18.	An enucleated plant cell is				
	(A)	Epidermal cell			
	(B)	Companion cell			
	(C)	Xylem parenchyma			
	(D)	Sieve tube cell			
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	(B)	Valine				
	(C)	Isoleucine				
	(D)	Methionine				
20.	Epid	ermis is produced from				
	(A)	Ground meristem				
	(B)	Phellogen				
	(C)	Procambium				
	(D)	Protoderm				
21.	Iden	tify which of the following is not a characteristic feature of meristematic cells :				
	(A)	They are isodiametric				
	(B)	Cells are arranged with intercellular spaces				
	(C)	Possess power of division				
	(D)	Not differentiated				
22.	Boro	Boron assists in				
	(A)	Enzyme activation				
	(B)	Photosynthesis				
	(C)	Sugar transport				
	(D)	Acting as enzyme co factor				
23.	The	phenomenon exhibited by green plants grown in complete darkness is				
	(A)	Apical dominance				
	(B)	Thermoperiodicity				
	(C)	Abscission				
	(D)	Etiolation				
24.	Cros	sing over occurs in				
	(A)	Leptotene				
	(B)	Zygotene				
	(C)	Pachytene				
	(D)	Diakinesis				
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19. Identify the aromatic amino acid.

(A) Tyrosine

25.	Sene	scence in plants can be delayed by				
	(A)	Auxin				
	(B)	Gibberellin				
	(C)	Kinetin				
	(D)	Ethylene	60			
26.	Spin	dle fibre is made up of				
	(A)	Flagellin				
	(B)	Tubulin				
	(C)	Serecin				
	(D)	Fibriein				
27.	Iden	tify the high energy bond present in ATP molecule.				
		C-O				
	(B)	C-C				
	(C)	C-N				
	(D)	P-O			E.	
28.		condition in which anthers of all the stamens of a free can be observed in	lower are	united w	vhile filame	ents
	(A)	Fabaceae	*1			
	(B)	Asteraceae				
	(C)	Malvaceae				
	(D)	Liliaceae				
29.	The	process of formation of RNA from DNA is referred	as	6.5		
	(A)	Translation				
	(B)	Conjugation				
	(C)	Transformation				
	(D)	Transcription				
30.	The term 'Okazaki' is related to					
	(A)	DNA replication				
	(B)	Transcription				
	(C)	Translation	200			
	(D)	Mutation				
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31.		conges, flow of water current in the spongocoel is maintained by				
		Collar cells				
	(B)	Amoeboid cells				
	(D)	All of the above				
32.	Whi	ich one of the following cells is absent in the endoderm of hydra?				
	(A)	Sensory cells				
	(B)	Nerve cells				
	(C)	Nutritive muscular cells				
	(D)	Cnidoblasts				
33.	Nerve cells are not found in					
	(A)	Platyhelminthes				
	(B)	Coelenterates				
	(C)					
		Echinoderms				
34.	In m	nolluses, the general body cavity is				
15/21	(A)	[2] [1] [1] [2] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2				
	(B)	Hydrocoel				
		Pseudocoel				
35.	Ever	retion in hydra takes place by				
33.	(A)	Flame cells				
	(B)	Nephridia				
	33.57.533					
	(C)					
	(D)	General body surface				
36.	200 200 100 200 200 200 200 200 200 200					
		Lympocyte				
	(B)	Basophil				
	(C)	Neutrophil				
	(D)	Eosinophil				
37.	Which one of the following is a limbless amphibian?					
	(A)	Necturus				
	(B)	Proteus				
	(C)	Icthyophis				
	(D)	Salamandra				
38.	Add	liction to tobacco is caused by				
	(A)	Cocaine				
	(B)	Nicotine				
	(C)	Caffeine				
	(D)	Histamine				
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			115 1 0 1 0 1			

	(C)	Endórphins
	(D)	Glycine
40.	The	transformation of a normal cell to cancer may start with changes in the
	(A)	Cytoplasm
	(B)	Nucleus
	(C)	Mitochondria
	(D)	Fibronectin
41.	Hyp	ofunction of adrenal cortex results in
	(A)	Cretinism
	(B)	Myxoedema
	(C)	Conn's disease
	(D)	Addison's disease
42.	Whi	ch one of the following is sanguivorous?
	(A)	Male Cockroach
	(B)	Pila
	(C)	Female Mosquito
	(D)	Prawn
43.	Whi	ch of the following is absent in Leech?
	(A)	Parapodia
	(B)	Ocelli
	(C)	Clitellum
	(D)	Salivary glands
44.	Male	e and female cockroaches can be distinguished by
		The presence of sting gland in female
	(B)	Presence of a pair of anal styles in male
	(C)	Females are larger than males
	(D)	Presence of alary muscles in males.
45.	Keb	er's organ is found in
	(A)	Sepia
	(B)	Octopus
	(C)	Pila
	(D)	Unio
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39. Name the chemical deficiency that cause Parkinson's disease, while when it is excess it

cause schizophrenia.
(A) Dopamine
(B) Acetylcholine

46.	The	right ovary is rudimentary in
	(A)	Sharks
	(B)	Birds
	(C)	Sphenodon
	(D)	Calotes
47.	Haer	nophilia is an example of
	(A)	Y-linked inheritance
	(B)	XY-linked inheritance
	(C)	Autosomal inheritance
	(D)	Sex linked recessive inheritance
48.	In E	ectrocardiograph (ECG), the P-wave represents
	(A)	Repolarisation of Atria
	(B)	Repolarisation of Ventricles
	(C)	Depolarisation of Atria
	(D)	Depolarisation of Ventricles
49,	If the	e mother is of blood group O and father is of AB, the possible blood group of their lis
	(A)	A or B
	(B)	A or AB
	(C)	B, AB, or O
	(D)	AB or O
50.	Wha	it is NOT correct about the circulatory system of aves?
	(A)	Heart is four chambered
	(B)	Well-developed renal portal system
	(C)	Sinus venosus and truncus arteriosus are lacking
	(D)	RBC are nucleated
51.	In w	hich of the following organs Ornithine cycle occurs to synthesize urea?
	(A)	Liver
	(B)	Pancreas
	(C)	Duodenum
	(D)	Stomach
52.	Sarc	oma is cancer of
	(A)	Epithelial tissue
	(B)	Mesodermal tissue
	(C)	Blood
	(D)	Endodermal tissues
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53.	Cher	mically the bile salts are the derivatives of	
1990	(A)		
	(B)	Catecholamine	
	(C)	Amino acids	
	(D)	Fatty acids	
54.	In m	ammals, spermatogenesis is stimulated by	876
	(A)	MSH	
	(B)	TSH	
	(C)	ADH	
	(D)	FSH	
55.	The	enzymes present in the gastric juice of stomach are	
	(A)	Pepsin and renin	
	(B)	Trypsin and renin	
	(C)		
	(D)	Maltase and sucrase	
56.	Corr	rect sequence of a cardiac cycle is	
	(A)	Ventricular systole - Joint diastole - Atrial systole	
	(B)	Atrial systole - Ventricular diastole - Joint diastole	
	(C)	Ventricular systole - Ventricular diastole - Atrial systole - Joint diastole	
	(D)	Joint systole - Joint diastole - Atrial systole - ventricular systole	
57.	Нур	ertonic urine formation is a characteristic of kidneys of	
	(A)	Fishes and amphibians	
	(B)		
	(C)		
	(D)	Birds and mammals	
58.		nosquitos, the sex differentiation can be done on the basis of	
		Size of wings	
	(B)	Antennae	
	(C)	Antennae and maxillary palps	
	(D)	Ocelli	
59.	Retr	rogressive metamorphosis is shown by	
	(A)	Vertebrates	
	(B)	Cephalochordates	
	(C)	Urochordates	
	(D)	Cyclostomes	
60.		ble circulation is found in the heart of	
	(A) (B)	Birds and amphibians Birds and mammals	
	(C)		
	(D)	Amphibians and reptiles	
ъ.	(1)	Dec A Control of the	
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