1.	Micr	ofibrils are composed of		
	(A)	Hemicellulose		
	(B)	Cellulose		
	(C)	Peptidoglycan		
	(D)	Lignin		
2.	The	endosperm of Cycas is		
	(A)	Diploid		
	(B)	Triploid		
	(C)	Haploid		
	(D)	Tetraploid		
3.	Struc	ctural material of fungal cell wall is		
	(A)	Chitin		
	(B)	Pectin		
	(C)	Cellulose		
	(D)	Peptidoglycan		
4.	Interconnected flattened sacs of endoplasmic reticulum is called			
	(A)	Cistemae		
	(B)	Ribosomes		
	(C)	Tubules		
	(D)	Stroma		
5.	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		
6.	An enucleated plant cell is			
	(A)	Epidermal cell		
	(B)	Companion cell		
	(C)	Xylem parenchyma		
	(D)	Sieve tube cell		
Bio.		3		

7.	Iden	tify the aromatic amino acid.	
10.00	(A)	Tyrosine	
	(B)	Valine	
	(C)	Isoleucine	
	(D)	Methionine	
8.	Epid	lermis is produced from	
	(A)	Ground meristem	
	(B)	Phellogen	
	(C)	Procambium	
	(D)	Protoderm	
9.	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	
10.	Boro	on assists in	
	(A)	Enzyme activation	
	(B)	Photosynthesis	
	(C)	Sugar transport	
	(D)	Acting as enzyme co factor	
11.	The	phenomenon exhibited by green plants grown in complete darkness is	
	(A)	Apical dominance	
	(B)	Thermoperiodicity	
	(C)	Abscission	
	(D)	Etiolation	
12.	Cros	sing over occurs in	
	(A)	Leptotene	
	(B)	Zygotene	
	(C)	Pachytene	
	(D)	Diakinesis	
SET-	1	4	Bio.

13.	Sene	scence in plants can be delayed by		
	(A)	Auxin		
	(B)	Gibberellin		
	(C)	Kinetin		
	(D)	Ethylene		
14.	Spindle fibre is made up of			
	(A)	Flagellin		
	(B)	Tubulin		
	(C)	Serecin		
	(D)	Fibriein		
15.	Identify the high energy bond present in ATP molecule.			
	(A)	C-O		
	(B)	C-C		
	(C)	C-N		
	(D)	P-O		
16.		The condition in which anthers of all the stamens of a flower are united while filaments are free can be observed in		
	(A)	Fabaceae		
	(B)	Asteraceae		
	(C)	Malvaceae		
	(D)	Liliaceae		
17.	The	process of formation of RNA from DNA is referred as		
	(A)	Translation		
	(B)	Conjugation		
	(C)	Transformation		
	(D)	Transcription		
18.	The term 'Okazaki' is related to			
	(A)	DNA replication		
	(B)	Transcription		
	(C)	Translation		
	(D)	Mutation		
Bio.		5 SET-1		

19.	The term Niche refers to					
	(A)	Place of living				
	(B)	Specific function				
	(C)	Habitat and specific function				
	(D)	Diversity at species level				
20.	The most abundant element present in plant is					
	(A)	Nitrogen				
	(B)	Iron .				
	(C)	Carbon				
	(D)	Silicon				
21.	Blig	ht of rice is caused by				
	(A)	Xanthomonas				
	(B)	Pseudomonas				
	(C)	Phytophthora				
	(D)	Gibberella				
22.	The enzyme used for recombinant DNA technology is					
	(A)	Restriction enzyme				
	(B)	Allosteric enzyme				
	(C)	Chemically synthesized enzyme				
	(D)	Lysozyme				
23.	Aleurone layer is present in					
	(A)	Bacterial biofilm				
	(B)	Virus infected plant cell				
	(C)	Pathogenic fungi				
	(D)	Seed				
24.	Viru	s free plant can be obtained by				

(A) Antibiotic treatment
(B) Bordeaux mixture
(C) Root tip culture
(D) Shoot tip culture

25.	Fron	n the list below select the group that includes protozoa, protistan algae, slime moulds.	1			
	(A)	Fungi				
	(B)	Plantae				
	(C)	Monera				
	(D)	Prostista				
26.	Phyl	logenetic system of classification is based on				
	(A)	Biochemical properties				
	(B)	Quantitative assessment of similarities and differences between organisms				
	(C)	Evolutionary relationship				
	(D)	Cytological characteristics of organisms				
27.	Teic	choic acid is present in which cell component in bacteria?				
	(A)	Cell wall				
	(B)	Plasma membrane				
	(C)	Outer membrane				
	(D)	Flagella				
28.	The	The term episome refers to a type of				
	(A)	Plasmid				
	(B)	Cell wall				
	(C)	Membrane				
	(D)	Gene				
29.	Nuc	leoid is				
	(A)	1				
	(B)	Nuclear material in Volvox				
	(C)	Nuclear material in bacteria				
	(D)	Extracellular DNA in bacteria				
30.	Tran	Transfer of genetic material from one bacterium to another through cell contact is called				
	(A)	Binary fission				
	(B)	Transduction				
	(C)	Transformation				
	(D)	Conjugation				
Bio.		7 SET.1				

31.		ne the chemical deficiency that cause Parkinson's disease, while when it is excess it				
		e schizophrenia.				
	(A)					
	(B)	Acetylcholine Endombine				
	(C)	Endorphins				
	(D)	Glycine				
32.	The	The transformation of a normal cell to cancer may start with changes in the				
	(A)	Cytoplasm				
	(B)	Nucleus				
	(C)	Mitochondria				
	(D)	Fibronectin				
33.	Нур	ofunction of adrenal cortex results in				
	(A)	Cretinism				
	(B)	Myxoedema				
	(C)					
	(D)					
34.	Whi	Which one of the following is sanguivorous?				
	(A)					
	(B)					
	(C)	Female Mosquito				
	(D)					
35.	Whi	Which of the following is absent in Leech?				
	(A)					
	(B)	Ocelli				
		Clitellum				
	(D)	Salivary glands				
36.	Male	e and female cockroaches can be distinguished by				
	(A)	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.				
37.	Kebe	Keber's organ is found in				
0000000	(A)	Sepia				
	(B)	Octopus				
	(C)	Pila				
	(D)	Unio				
SET-	7 15.					
OF I.	A .	8 Rio				

38.	The	The right ovary is rudimentary in			
	(A)	Sharks			
	(B)	Birds			
	(C)	Sphenodon			
	(D)	Calotes			
39.	Haer	mophilia is an example of			
	(A)	Y-linked inheritance			
	(B)	XY-linked inheritance			
	(C)	Autosomal inheritance			
	(D)	Sex linked recessive inheritance			
40.	In E	lectrocardiograph (ECG), the P-wave represents			
	(A)	Repolarisation of Atria	63		
	(B)	Repolarisation of Ventricles			
	(C)	Depolarisation of Atria			
	(D)	Depolarisation of Ventricles			
41.	If th	ne mother is of blood group O and father is of AB, the possible blood group d is	of their		
	(A)	A or B			
	(B)	A or AB			
	(C)	B, AB, or O			
	(D)	AB or O			
42.	Wha	at 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			
43.	In w	which of the following organs Ornithine cycle occurs to synthesize urea?			
	(A)	Liver			
	(B)	Pancreas			
	(C)	Duodenum			
	(D)	Stomach			
44.	Sarcoma is cancer of				
	(A)	Epithelial tissue			
	(B)	Mesodermal tissue			
	(C)	Blood			
	(D)	Endodermal tissues			
Bio.		9	SET-I		

45.	Chemically the bile salts are the derivatives of				
	(A)	Cholesterol			
	(B)	Catecholamine			
	(C)	Amino acids			
	(D)	Fatty acids			
46.	In m	ammals, spermatogenesis is stimulated by			
	(A)	MSH			
	(B)	TSH			
	(C)	ADH			
	(D)	FSH			
47.	The	enzymes present in the gastric juice of stomach are			
	(A)	Pepsin and renin			
	(B)	Trypsin and renin			
	(C)	Amylase and lipase			
	(D)	Maltase and sucrase			
48.	Сотт	ect sequence of a cardiac cycle is			
	(A)	Ventricular systole - Joint diastole - Atrial systole			
7.0	(B)	Atrial systole - Ventricular diastole - Joint diastole			
	(C)	[1] : [1] :			
	(D)	Joint systole - Joint diastole - Atrial systole - ventricular systole			
49.	Нур	ertonic urine formation is a characteristic of kidneys of			
	(A)	Fishes and amphibians			
	(B)	Amphibians and reptiles			
	(C)				
	(D)	Birds and mammals			
50.	In m	osquitos, the sex differentiation can be done on the basis of			
	(A)	Size of wings			
	(B)	Antennae			
	(C)	Antennae and maxillary palps			
	(D)	Ocelli			
51.		ogressive metamorphosis is shown by			
	(A)	Vertebrates			
	(B)	Cephalochordates			
	(C)	Urochordates			
	(D)	Cyclostomes			
52.		ble circulation is found in the heart of			
	(A)				
	(B)	Birds and mammais			
	(C)	A 5000 (4000)			
	(D)	Amphibians and reptiles			

10

Bio.

53.	In sp	ponges, flow of water current in the spongocoel is maintained by			
	(A)	Collar cells			
	(B)	Amoeboid cells			
	(C)	Epithelial cells			
		All of the above			
54.	Whi	ch one of the following cells is absent in the endoderm of hydra?			
	(A)				
		Nerve cells			
	7	Nutritive muscular cells			
		Cnidoblasts			
55.	Nerve cells are not found in				
	(A)				
		Coelenterates			
	4 6	Sponges			
	(D)	, -			
56.	In m	nolluscs, the general body cavity is			
50.	(A)	[- [- [- [- [- [- [- [- [- [-			
		Hydrocoel			
		Haemocoel			
		Pseudocoel			
1042	1000				
57.		retion in hydra takes place by			
	(A)	Flame cells			
	(B)				
	(C)	Cnidoblasts			
	(D)	General body surface			
58.	Which of the following is not a granulocyte?				
		Lympocyte			
	(B)	Basophil			
	(C)	Neutrophil			
	(D)	Eosinophil			
59.	Whi	ch one of the following is a limbless amphibian?			
	(A)	Necturus			
	(B)	Proteus			
	(C)	Icthyophis			
	(D)	Salamandra			
60.	Addi	iction to tobacco is caused by			
	(A)	Cocaine			
	(B)	Nicotine			
	(C)	Caffeine			
	(D)	Histamine			
Bio.					
DIO.		11			