1.	Sene	scence in plants can be delayed by		
	(A)	Auxin		
	(B)	Gibberellin		
	(C)	Kinetin		
	(D)	Ethylene		
2.	Spin	dle fibre is made up of		
	(A)	Flagellin		
	(B)	Tubulin		
	(C)	Serecin		
	(D)	Fibriein		
3.	Iden	tify the high energy bond present in ATP molecule.		
	(A)	C-O		
	(B)	C-C		
	(C)	C-N		
	(D)	P-O		
4.	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		
5.	The	process of formation of RNA from DNA is referred as		
	(A)	Translation		
	(B)	Conjugation		
	(C)	Transformation		
	(D)	Transcription		
6.	The term 'Okazaki' is related to			
	(A)	DNA replication		
	(B)	Transcription		
	(C)	Translation		
	(D)	Mutation		
Bio.		3 SET-3		

	(C)	Phytophthora	
	(D)	Gibberella	
10.	The	enzyme used for recombinant DNA technology is	
	(A)	Restriction enzyme	
	(B)	Allosteric enzyme	
	(C)	Chemically synthesized enzyme	
	(D)	Lysozyme	
11.	Aleu	urone layer is present in	
	(A)	Bacterial biofilm	
	(B)	Virus infected plant cell	
	(C)	Pathogenic fungi	
	(D)	Seed	
12.	Viru	is free plant can be obtained by	
	(A)	Antibiotic treatment	
	(B)	Bordeaux mixture	
	(C)	Root tip culture	
	(D)	Shoot tip culture	
SET	-3	4 Bio.	

The term Niche refers to

(C) Habitat and specific function

The most abundant element present in plant is

(D) Diversity at species level

Blight of rice is caused by

(A) Xanthomonas (B) Pseudomonas

(A) Place of living(B) Specific function

(A) Nitrogen

(C) Carbon(D) Silicon

(B) Iron

7.

8.

9,

13.	Fron	the list below select the group that includes protozoa, protistan algae, slime moulds.				
\$570 T.O.	(A)	Fungi				
	(B)	Plantae				
	(C)	Monera				
	(D)	Prostista				
14.	Phyl	Phylogenetic 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				
15.	Teichoic acid is present in which cell component in bacteria?					
	(A)	Cell wall				
	(B)	Plasma membrane				
	(C)	Outer membrane				
	(D)	Flagella				
16.	The term episome refers to a type of					
	(A)	Plasmid				
	(B)	Cell wall				
	(C)	Membrane				
	(D)	Gene				
17.	Nucleoid is					
	(A)	Extrachromosomal genetic material				
	(B)	Nuclear material in Volvox				
	(C)	Nuclear material in bacteria				
	(D)	Extracellular DNA in bacteria				
18.	Transfer of genetic material from one bacterium to another through cell contact is called					
	(A)	Binary fission				
	(B)	Transduction				
	(C)	Transformation				
	(D)	Conjugation				
Bio.		5 SPT. 2				

19.	MICE	onorus are composed or			
	(A)	Hemicellulose			
	(B)	Cellulose			
	(C)	Peptidoglycan			
	(D)	Lignin			
20.	The	endosperm of Cycas is			
	(A)	Diploid			
	(B)	Triploid			
	(C)	Haploid			
	(D)	Tetraploid			
21.	Struc	ctural material of fungal cell wall is			
	(A)	Chitin			
	(B)	Pectin			
	(C)	Cellulose			
	(D)	Peptidoglycan			
22.	Interconnected flattened sacs of endoplasmic reticulum is called				
	(A)	Cisternae			
	(B)	Ribosomes			
	(C)	Tubules			
	(D)	Stroma			
23.	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			
24.	An enucleated plant cell is				
	(A)	Epidermal cell			
	(B)	Companion cell			
	(C)	Xylem parenchyma			
	(D)	Sieve tube cell			
SET	-3	6			

Bio.

25.	Iden	tify the aromatic amino acid.				
	(A)	Tyrosine				
	(B)	Valine				
	(C)	Isoleucine				
	(D)	Methionine				
26.	Epid	lermis is produced from				
	(A)	Ground meristem				
	(B)	Phellogen				
	(C)	Procambium				
	(D)	Protoderm				
27.	Iden	Identify 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				
28.	Boron assists in					
	(A)	Enzyme activation				
	(B)	Photosynthesis				
	(C)	Sugar transport				
	(D)	Acting as enzyme co factor				
29.	The	phenomenon exhibited by green plants grown in complete darkness is				
		Apical dominance				
	(B)	Thermoperiodicity				
	(C)	Abscission				
	(D)	Etiolation				
30.	Cros	ssing over occurs in				
	(A)	Leptotene				
	(B)	Zygotene				
	(C)	Pachytene				
	(D)	Diakinesis				
Bio.		7	SET-3			
		The state of the s				

31.	Cher	nically the bile salts are the derivatives of				
-	(A)	Cholesterol				
	(B)	Catecholamine				
	(C)	Amino acids				
	(D)	Fatty acids				
32.	In m	ammals, spermatogenesis is stimulated by				
	(A)	MSH				
	(B)	TSH				
	(C)	ADH				
	(D)	FSH				
33.	The	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				
34.	Con	Correct 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				
35.	Hypertonic urine formation is a characteristic of kidneys of					
	(A)	Fishes and amphibians				
	(B)					
	(C)	30.20.1 Sept. (1) Sept. (1				
	(D)	Birds and mammals				
36.	In mosquitos, the sex differentiation can be done on the basis of					
	(A)					
	(B)	Antennae				
	(C)	Antennae and maxillary palps				
	(D)	Ocelli				
37.	Retr	Retrogressive metamorphosis is shown by				
	(A)	Vertebrates				
	(B)	Cephalochordates				
	(C)	Urochordates				
	(D)	Cyclostomes				
38.	4395	ble circulation is found in the heart of				
10.95-0	(A)	Birds and amphibians				
	(B)	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1				
		Fishes and amphibians				
	(D)	Amphibians and reptiles				
CET	2					

Bio.

39.	In sp	onges, flow of water current in the spongocoel is maintained by				
	(A)	Collar cells				
	(B)	Amoeboid cells				
	(C)	Epithelial cells				
		All of the above				
40.	Whi	ch one of the following cells is absent in the endoderm of hydra?				
	(A)	Sensory cells				
	(B)	Nerve cells				
		Nutritive muscular cells	15			
		Cnidoblasts				
41.	Nen	ve cells are not found in				
• • •		Platyhelminthes				
	(B)	Coelenterates				
	(C)					
		Echinoderms				
	(D)	Echinodelins				
42.		olluses, the general body cavity is				
	(A)	Blastocoel				
		Hydrocoel				
		Haemocoel				
	(D)	Pseudocoel				
43.	Exci	etion in hydra takes place by				
	(A)	Flame cells				
	(B)	Nephridia				
	(C)	Cnidoblasts				
	(D)	General body surface				
44.	Which of the following is not a granulocyte?					
		Lympocyte				
	(B)	Basophil				
	(C)	Neutrophil				
	(D)	Eosinophil				
45.	Whi	ch one of the following is a limbless amphibian?				
	(A)	Necturus				
	(B)	Proteus				
	(C)	Icthyophis				
	(D)	Salamandra				
46.	Addiction to tobacco is caused by					
0,550.00	(A)	Cocaine				
	(B)	Nicotine				
	(C)	Caffeine				
	(D)	Histamine				
D.	()					
Bio.		9		SET-3		

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	(D)	Unio	5			
	(C)	Pila				
	(B)	Octopus				
	(A)	Sepia				
53.	Keber's organ is found in					
	(D)	Presence of alary muscles in males.				
	100	Females are larger than males				
	(B)	Presence of a pair of anal styles in male				
		The presence of sting gland in female				
52.	Male and female cockroaches can be distinguished by					
	(D)	Salivary glands				
	(C)	Clitellum				
	(B)	Ocelli				
	(A)	Parapodia				
51.	Which of the following is absent in Leech?					
	(D)	Tiawii	627			
	(D)	Prawn				
	(C)	Female Mosquito				
		Pila				
50.		Male Cockroach				
50.	Whi	ch one of the following is sanguivorous?				
	(D)	Addison's disease				
	(C)	Conn's disease				
	(B)	Myxoedema				
24.5		Cretinism				
49.	Hype	ofunction of adrenal cortex results in				
	(D)	Fibronectin				
	(C)	Mitochondria				
	(B)	Nucleus				
	(V)	Cytopiasin				

47. Name the chemical deficiency that cause Parkinson's disease, while when it is excess it

48. The transformation of a normal cell to cancer may start with changes in the

cause schizophrenia.

(A) Dopamine

(B) Acetylcholine

(C) Endorphins

(D) Glycine

54.	The right ovary is rudimentary in					
	(A)	Sharks				
	(B)	Birds				
	(C)	Sphenodon				
	(D)	Calotes				
55.	Haer	nophilia is an example of				
	(A)	Y-linked inheritance				
	(B)	XY-linked inheritance				
	(C)	Autosomal inheritance				
	(D)	Sex linked recessive inheritance				
56.	In E	In Electrocardiograph (ECG), the P-wave represents				
	(A)	Repolarisation of Atria				
	(B)	Repolarisation of Ventricles				
	(C)	Depolarisation of Atria				
	(D)	Depolarisation of Ventricles				
57.	If th	e mother is of blood group O and father is of AB, the possible blood group of their is				
	(A)	A or B				
	(B)	A or AB				
	(C)	B, AB, or O				
	(D)	AB or O				
58.	What 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				
59.	In w	hich of the following organs Ornithine cycle occurs to synthesize urea?				
ě.	(A)	Liver				
	(B)	Pancreas				
	(C)	Duodenum				
	(D)	Stomach				
60.	Sarcoma is cancer of					
	(A)	Epithelial tissue				
	(B)	Mesodermal tissue				
	(C)	Blood				
	(D)	Endodermal tissues				
Bio.		11 SET-3				
		To the second se				