	(A)	Tyrosine
	(B)	Valine
	(C)	Isoleucine
	(D)	Methionine
2.	Epid	ermis is produced from
	(A)	Ground meristem
	(B)	Phellogen
	(C)	Procambium
	(D)	Protoderm
3.	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
4.	Boro	on assists in
	(A)	Enzyme activation
	(B)	Photosynthesis
	(C)	Sugar transport
	(D)	Acting as enzyme co factor
5.	The	phenomenon exhibited by green plants grown in complete darkness is
	(A)	Apical dominance
	(B)	Thermoperiodicity
	(C)	Abscission
	(D)	Etiolation
6.	Cros	sing over occurs in
	(A)	Leptotene
	(B)	Zygotene
	(C)	Pachytene

Identify the aromatic amino acid.

1.

(D) Diakinesis

(B) Gibberellin (C) Kinetin (D) Ethylene  8. Spindle fibre is made up of (A) Flagellin (B) Tubulin (C) Serecin (D) Fibriein  9. Identify the high energy bond present in ATP molecule. (A) C-O (B) C-C (C) C-N (D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation	1.	Sene	scence in plants can be delayed by				
(C) Kinetin (D) Ethylene  8. Spindle fibre is made up of (A) Flagellin (B) Tubulin (C) Serecin (D) Fibriein  9. Identify the high energy bond present in ATP molecule. (A) C-O (B) C-C (C) C-N (D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(A)	Auxin				
(D) Ethylene  8. Spindle fibre is made up of (A) Flagellin (B) Tubulin (C) Serecin (D) Fibriein  9. Identify the high energy bond present in ATP molecule. (A) C-O (B) C-C (C) C-N (D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(B)	Gibberellin				
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(A) Flagellin (B) Tubulin (C) Serecin (D) Fibricin  9. Identify the high energy bond present in ATP molecule. (A) C-O (B) C-C (C) C-N (D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(D)	Ethylene				
(B) Tubulin (C) Serecin (D) Fibriein  9. Identify the high energy bond present in ATP molecule. (A) C-O (B) C-C (C) C-N (D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation	8.	Spin	dle fibre is made up of				
(C) Serecin (D) Fibriein  9. Identify the high energy bond present in ATP molecule. (A) C-O (B) C-C (C) C-N (D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(A)	Flagellin				
9. Identify the high energy bond present in ATP molecule.  (A) C-O (B) C-C (C) C-N (D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(B)	Tubulin				
9. Identify the high energy bond present in ATP molecule.  (A) C-O (B) C-C (C) C-N (D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(C)	Serecin				
(A) C-O (B) C-C (C) C-N (D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(D)	Fibriein				
(B) C-C (C) C-N (D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation	9.	Iden	tify the high energy bond present in ATP molecule.				
(C) C-N (D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(A)	C-O				
(D) P-O  10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in  (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(B)	C-C				
10. The condition in which anthers of all the stamens of a flower are united while filament are free can be observed in  (A) Fabaceae (B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(C)	C-N				
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(B) Asteraceae (C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation	10.	The condition in which anthers of all the stamens of a flower are united while filaments are free can be observed in					
(C) Malvaceae (D) Liliaceae  11. The process of formation of RNA from DNA is referred as (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(A)	Fabaceae				
(D) Liliaceae  11. The process of formation of RNA from DNA is referred as  (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(B)	Asteraceae				
11. The process of formation of RNA from DNA is referred as  (A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(C)	Malvaceae				
(A) Translation (B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(D)	Liliaceae				
(B) Conjugation (C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation	11.	The	process of formation of RNA from DNA is referred as				
(C) Transformation (D) Transcription  12. The term 'Okazaki' is related to (A) DNA replication (B) Transcription (C) Translation (D) Mutation		(A)	Translation				
(D) Transcription  12. The term 'Okazaki' is related to  (A) DNA replication  (B) Transcription  (C) Translation  (D) Mutation		(B)	Conjugation				
12. The term 'Okazaki' is related to  (A) DNA replication  (B) Transcription  (C) Translation  (D) Mutation		(C)	Transformation				
(A) DNA replication (B) Transcription (C) Translation (D) Mutation		(D)	Transcription				
(B) Transcription (C) Translation (D) Mutation	12.	The term 'Okazaki' is related to					
(C) Translation (D) Mutation		(A)	DNA replication				
(D) Mutation		(B)	Transcription				
OTHER A		(C)	Translation				
SET-2 4 Bi		(D)	Mutation				
	SET	2	4 Bio.				

13,	The term Niche refers to .					
	(A)	Place of living				
	(B)	Specific function				
	(C)	Habitat and specific function				

## 14. The most abundant element present in plant is

(D) Diversity at species level

- (A) Nitrogen
- (B) Iron
- (C) Carbon
- (D) Silicon

# 15. Blight of rice is caused by

- (A) Xanthomonas
- (B) Pseudomonas
- (C) Phytophthora
- (D) Gibberella

#### 16. The enzyme used for recombinant DNA technology is

- (A) Restriction enzyme
- (B) Allosteric enzyme
- (C) Chemically synthesized enzyme
- (D) Lysozyme

### 17. Aleurone layer is present in

- (A) Bacterial biofilm
- (B) Virus infected plant cell
- (C) Pathogenic fungi
- (D) Seed

#### 18. Virus free plant can be obtained by

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

19.	Fron	n the list below select the group that includes prot	ozoa, protistan algae, slime moulds.
	(A)	Fungi	
	(B)	Plantae	
	(C)	Monera	
	(D)	Prostista	
20.	Phyl	ogenetic system of classification is based on	a edu 9
	(A)	Biochemical properties	
	(B)	Quantitative assessment of similarities and diffe	erences between organisms
	(C)	Evolutionary relationship	
	(D)	Cytological characteristics of organisms	
21.	Teic	hoic acid is present in which cell component in b	acteria?
	(A)	Cell wall	
	(B)	Plasma membrane	
	(C)	Outer membrane	en e e
	(D)	Flagella	
22.	The	term episome refers to a type of	0.
	(A)	Plasmid	
	(B)	Cell wall	
	(C)	Membrane	
	(D)	Gene	9.9
23.	Nuc	leoid is	
	(A)	Extrachromosomal genetic material	Conf. 2
	(B)	Nuclear material in Volvox	
	(C)	Nuclear material in bacteria	
	(D)	Extracellular DNA in bacteria	*
24.	Tran	sfer of genetic material from one bacterium to an	other through cell contact is called
	(A)	Binary fission	
	(B)	Transduction	
	(C)	Transformation	
	(D)	Conjugation	
SET	-2	6	Bio.

25.	Micr	ofibrils are composed of					
43.	(A)	Hemicellulose					
	(B)	Cellulose					
	(C)	Peptidoglycan					
	(D)	Lignin					
26.	The	endosperm of Cycas is					
20.	(A)	Diploid .					
	(B)	Triploid					
	(C)	Haploid					
	(D)	Tetraploid					
		Total Control					
27.	Struc	ctural material of fungal cell wall is					
	(A)	Chitin					
	(B)	Pectin					
	(C)	Cellulose					
	(D)	Peptidoglycan					
28.	Interconnected flattened sacs of endoplasmic reticulum is called						
	(A)	Cisternae					
	(B)	Ribosomes					
	(C)	Tubules					
	(D)	Stroma					
29.		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					
30.	An e	enucleated plant cell is					
	(A)	Epidermal cell					
	(B)	Companion cell					
	(C)	Xylem parenchyma					
	(D)	Sieve tube cell					
Blo.		7	SET-2				

31.	lhe	right ovary is rudimentary in			
	(A)	Sharks			
	(B)	Birds			
	(C)	Sphenodon			
	(D)	Calotes			
		december 1997 to 1997			
32.		mophilia is an example of			
	(A)	Y-linked inheritance	200		
	(B)	XY-linked inheritance			
	(C)	Autosomal inheritance			
	(D)	Sex linked recessive inheritance		0.5	
33.	In E	lectrocardiograph (ECG), the P-wave represents		1,0	
33.		Repolarisation of Atria			
	(A)	[일시 ] (#16일) 최 등 발생한 전(기업) (2년 시간			
	(B)	Repolarisation of Ventricles			
	(C)	Depolarisation of Atria			
	(D)	Depolarisation of Ventricles			
34.	If th	e mother is of blood group O and father is of AB	, the poss	sible blood grou	p of their
	chile				
	(A)	A or B		1	
	(B)	A or AB			
	(C)	B, AB, or O	4		
	(D)	AB or O			
35.	Wha	at is NOT correct about the circulatory system of av	es?	194	
	(A)	Heart is four chambered		E 0 **	
	(B)	Well-developed renal portal system		14/1	
	(C)	Sinus venosus and truncus arteriosus are lacking			
		DDC	e moli		
36.		hich of the following organs Ornithine cycle occurs			
	(A)	Liver	461,00		
	(B)	Pancreas			
	(C)	Duodenum	0.00		
	(D)	Stomach			
37.	Sarc	oma is cancer of	1		
	(A)	Epithelial tissue			
	(B)	Mesodermal tissue			
	(C)	Blood			
	(D)	Endodermal tissues			
	65 35				
SET	-2	8	6		Bio.

38.	Cher	mically the bile salts are the derivatives of	
	(A)	Cholesterol	
	(B)	Catecholamine	
	(C)	Amino acids	
	(D)	Fatty acids	
39.	In m	ammals, spermatogenesis is stimulated by	
	(A)	MSH	
	(B)	TSH	
	(C)	ADH	
	(D)	FSH	
40.	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	
41.	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	
42.	Нур	ertonic urine formation is a characteristic of kidneys of	
	(A)	Fishes and amphibians	
	(B)	Amphibians and reptiles	
	(C)	Reptiles and fishes	
	(D)	Birds and mammals	
43.	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	
44.	Retr	ogressive metamorphosis is shown by	
	(A)	Vertebrates	
	(B)	Cephalochordates	
	(C)	Urochordates	
	(D)	Cyclostomes	
45.		ble circulation is found in the heart of	
	(A)	Birds and amphibians	
	(B)		
	(C)		
	(D)	Amphibians and reptiles	
Bio.		9 SET-	2

40.		longes, flow of water current in the spongocoel is maintained by					
	(A)	Collar cells					
	(B)	Amoeboid cells					
		Epithelial cells					
		All of the above					
	(D)	All of the above					
47.	Whi	ch one of the following cells is absent in the endoderm of hydra?					
	(A)	Sensory cells					
		Nerve cells					
	7	Nutritive muscular cells					
		Cnidoblasts					
	10.5						
48.	Ner	ve cells are not found in					
	(A)	Platyhelminthes					
	(B)	Coelenterates					
		Sponges					
		Echinoderms					
40	T.,						
49.		olluscs, the general body cavity is					
		Blastocoel					
	(B)	Hydrocoel					
	(C)	Haemocoel					
	(D)	Pseudocoel					
50.	Excretion in hydra takes place by						
50.		Flame cells					
		Nephridia					
	(C)						
	(D)	General body surface					
51.	Whi	Which of the following is not a granulocyte?					
		Lympocyte					
		Basophil					
	(C)	Neutrophil					
	(D)	Eosinophil					
52.	Whi	ch one of the following is a limbless amphibian?					
		Necturus					
	(B)	Proteus					
	4.5	Icthyophis					
	1000	Salamandra					
53.	A 44	estion to tobacco in council by					
55.		ction to tobacco is caused by					
	(A)	Cocaine					
		Nicotine					
	(C)	Caffeine					
	(D)	Histamine					
SET	-2	10					
7,40,000	111111111111111111111111111111111111111	A.V					

Bio.

54.		e the chemical deficiency that cause Parkinson's disease, while when it is excess it e schizophrenia.
	(A)	Dopamine
	(B)	Acetylcholine
	(C)	Endorphins
	(D)	Glycine
55.	The	transformation of a normal cell to cancer may start with changes in the
	(A)	Cytoplasm
	(B)	Nucleus
	(C)	Mitochondria
		Fibronectin
56.	Нур	ofunction of adrenal cortex results in
	(A)	Cretinism
	(B)	Myxoedema
	(C)	Conn's disease
	(D)	Addison's disease
57.	Whi	ch one of the following is sanguivorous ?
	(A)	Male Cockroach
	(B)	Pila
	(C)	Female Mosquito
	(D)	Prawn
58.	Whi	ch of the following is absent in Leech?
	(A)	Parapodia
	(B)	Ocelli
	(C)	Clitellum
	(D)	Salivary glands
59.	Male	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.
60.		er's organ is found in
	(A)	Sepia
	(B)	Octopus
	(C)	Pila
	(D)	Unio
Bio.	(5)	11 SET-2