- VA				R. SEC. SCHOOL
STD: XI	BIOL	LOGY SET-5 (B	<b>L-</b> 9,10 <b>Z L</b> -	- 2,8 ) MARKS-50
	E CORRECT ANS	WER:		30X1=30
1. Identify the Arch		<b>—</b>		
	<i>ter</i> b. <i>Erwinia</i>	c. Treponema		d. Methanobacterium
-		or an angiosperm i	s 14, the num	ber of chromosome in its
endospermwould b a. 7	b. 14	c. 42		d. 28
3. Select the misma		0. 72		<b>u</b> . 20
	-	b. <i>Lablab</i> - Tr	ifoliolate	×
				nate phyllotaxy
4. Aggregate fruit c		u. Alla	<i>manua</i> - 1011	atter phynotaxy
00 0	bellary, apocarpous ov	varv b. Multicarpel	lary, syncarp	ous ovarv
	bellary ovary		ole infloresce	
				accession the position of the your
floral bud shall be		-	-	
a. Proximal		c. Inter	rcalary	d. Anywhere
6. A true fruit is the				
	ry of the flower devel			
	d calyx of the flower			
-	lyx and thalamus of t whorls of the flower	-		
	ng over is initiated at	-		
a. Diplotene	-		totene	d. Zygotene
8.Stomata of a plan	•	ne el Lep	lotone	
	-	of K+ c. Influ	ux of Cl–	d. Influx of OH–
a. Influx of	$\mathbf{N}^+$ U. EIIIUX (			
a. Influx of				
a. Influx of	match.	- (i) Mo		
a. Influx of 9. Identify correct 1	natch. sease of citrus	~0		
a. Influx of 9. Identify correct n 1. Die back di 2. Whip tail di 3. Brown hear	natch. sease of citrus isease	- (i) Mo - (ii) Zn iii) Cu		
a. Influx of 9. Identify correct 1 1. Die back di 2. Whip tail di	natch. sease of citrus isease	- (i) Mo - (ii) Zn		
a. Influx of 9. Identify correct n 1. Die back di 2. Whip tail di 3. Brown hear	natch. sease of citrus isease	- (i) Mo - (ii) Zn iii) Cu - (iv) B	4 (i)	
a. Influx of 9. Identify correct n 1. Die back di 2. Whip tail di 3. Brown hear 4. Little leaf a.	match. sease of citrus isease t of turnip - (i 1 (iii) 2 (ii)	- (i) Mo - (ii) Zn iii) Cu - (iv) B 3 (iv)		
a. Influx of 9. Identify correct n 1. Die back di 2. Whip tail di 3. Brown hear 4. Little leaf a. b.	match. sease of citrus isease t of turnip - (i 1 (iii) 2 (ii) 1 (iii) 2 (i)	- (i) Mo - (ii) Zn iii) Cu - (iv) B 3 (iv) 3 (iv)	4 (ii)	
a. Influx of 9. Identify correct n 1. Die back di 2. Whip tail di 3. Brown hear 4. Little leaf a.	match. sease of citrus isease t of turnip - (i 1 (iii) 2 (ii)	- (i) Mo - (ii) Zn iii) Cu - (iv) B 3 (iv) 3 (iv) 3 (ii)		

- b. PS I, plastoquinone, cytochrome, PS II ferredoxin.
- c. PS II, ferredoxin, plastoquinone, cytochrome, PS I.
- d. PS II, plastoquinone, cytochrome, PS II, ferredoxin.

11. Assertion (A): Oxidative phosphorylation takes place during the electron transport chain in mitochondria.Reason (R): Succinyl CoA is phosphorylated into succinic acid by substrate phosphorylation.

a. A and R is correct. R is correct explanation of A

## Kindly Send Me Your Key Answers to Our email id - padasalai.net@gmail.com

b. A and R is correct but R is not the correc	t explanation of A						
c. A is correct but R is wrong							
d. A and R is wrong.							
12 is the powerful growth inhibitor							
a. Ethanol b. Cytokinins	c. ABA	d. Auxin					
13. Which of the following reaction is not involved in Krebs cycle.							
a. Shifting of phosphate from 3C to 2C							
b. Splitting of Fructose 1,6 bisphosphate of into two molecules 3C compounds.							
c. Dephosphorylation from the substrates							
d. All of these							
14. Identify the correct statement							
i. Sulphur is essential for amino acids Cystine and							
ii. Low level of N, K, S and Mo affect the cell division							
iii. Non-leguminous plant Alnus which contain bac	cterium Frankiaiv. Der	itrification carried out by					
nitrosomonas and nitrobacter.							
a. I, II are correct. b. I, II, III are correct c. I or	ally correct d. all	are correct					
15. In a fully turgid cell							
a. DPD = 10 atm; OP = 5 atm; TP = 10 atm b. DPD = 0 atm; OP = 10 atm; TP = 10 atm							
c. DPD = 0 atm; OP = 5 atm; TP = 10 atm d. DPD = 20 atm; OP = 20 atm; TP = 10 atm							
16.What taxonomic aid gives comprehensive information							
a. Taxonomic Key b. Herbarium c. Flo	ra d. Mo	onograph					
17. Who coined the term biodiversity?							
a. Walter Rosen b. AG Tansley	c. Aristotle	d. AP de Candole					
18. Which of the following is a crustacean?							
a. Prawn b. Snail	c. Sea anemone	d. Hydra					
19. The respiratory pigment in cockroach is							
a. Haemoglobin b. Haemocyanin	c. Haemoerythrin	d. None of the above					
20. Prevention of substances from leaking across the tissue is provided by							
a. Tight junction b. Adhering junction	c. Gap junction	d. Elastic junction					
21. Which of the following have an open circulatory system							
a. Frog b. Earthworm c. Pigeon	d. Cockroacl	n					
22. Buccopharyngeal respiration in frog							
a. is increased when nostrils are closed b. Stops when there is pulmonary respiration							
c. is increased when it is catching fly d. stop	ps when mouth is open	ied.					
23. Enterokinase takes part in the conversion of							
a. Pepsinogen into pepsin	b. Trypsinogen into trypsin						
c. Protein into polypeptide	d. Caseinogen into casein						
24. Asthma is caused due to							
a. inflammation of bronchus and bronchioles.	b. inflammation of bronchione						
c. damage of diaphragm.	d. infection of lungs						
25.Erythroblastosis foetalis is due to the destruction of							
a. Foetal RBCs	b. Foetus suffers from atherosclerosis						
c. Foetal WBCs	d. Foetus suffers from mianmata						
26.Kidney stones are produced due to deposition of uric ad	cid and						
a. silicates b. minerals	c. calcium carbonate	a d calcium ovalate					
27. ATPase enzyme needed for muscle contraction is locat	ted in						
a. actinin b. troponin	c. myosin	d. actin					
28. Synovial fluid is found in							
a. Ventricles of the brain b. Spinal cord c. immovable joint d. freely movable joints.							
		, , <u>,</u>					

## Kindly Send Me Your Key Answers to Our email id - padasalai.net@gmail.com

29. Which of the following hormone is not secreted under the influence of pituitary gland?

- a. thyroxine b. insulin c. oestrogen d. glucocorticoids
- 30. Which of the statement regarding Lac insect is TRUE?
  - a. A microscopic, resinous crawling scale insect
  - b. Inserts its proboscis into plant tissue suck juices and grows
  - c. Secretes lac from the hind end of body.
  - d. The male lac insect is responsible for large scale production of lac.

## **II.ANSWER THE FOLLOWING QUESTIONS :**

- 31. Differences Between Diffuse Porous Wood and Ring Porous Wood .
- 32.Differences Between Sap Wood (alburnum) and Heart Wood (duramen).
- 33.Differences Between Phellem and Phelloderm.
- 34.Differences Between Spring Wood and Autumn Wood.
- 35.Write the Importance of Studying Growth Rings.
- 36. Explain sclereids with their types.
- 37. Distinguish the anatomy of dicot root from monocot root.
- 38.Distinguish the anatomy of dicot stem from monocot stem.
- 39.Differentiate protonephridia from metanephridia.
- 40. What is the nitrogenous waste produced by amphibian larvae and by the adult animal?
- 41. Draw and label the parts of L S of human kidney.
- 42. Which of the chordate characteristics do tunicates retain as adults?
- 43. List three features that characterise bony fishes.