## V.M.G.R.R SRI SARADA SAKTHI MAT. HR. SEC. SCHOOL **BIOLOGY SET-4(B L-7,8 Z L -3,9)** STD: XI I.CHOOSE THE CORRECT ANSWER: 30X1=30 1. Identify the incorrect statement about the Gram positive bacteria a. Teichoic acid absent b. High percentage of peptidoglycan is found in cell wall c. Cell wall is single layered d. Lipopolysaccharide is present in cell wall 2. Which of following represents gametophytic generation in pteridophytes? b. Thallus a. Prothallus c. Cone d. Rhizophore 3. Which of the following is the correct statement? a. In Pisum sativum leaflets modified into tendrils b. In Atalantia terminal bud is modified into thorns c. In Nepenthes midrib is modified into lid d. In *Smilax* inflorescence axis is modified into tendrils 4. Gynoecium with united carples is termed as a. Apocarpous b. Multicarpellary c. Syncarpous d. None of the above 5. The taxonomy which involves the similarities and dissimilarities among the immune system of different taxa is termed b. Molecular systematic a. Chemotaxonomy c. Serotaxonomy d. Numerical taxonomy 6. Sequences of which of the following is used to know the phylogeny. a. mRNA b. Rrna c. tRNA d. Hn RNA 7. Usually, the monocotyledons do not increase their girth, because a. They possess actively dividing cambium b. They do not possess actively dividing cambium c. Ceases activity of cambium d. All are correct 8. Which among the following is correct? i. apoplast is fastest and operate in nonliving part ii. Transmembrane route includes vacuole iii. symplast interconnect the nearby cell through plasmadesmata iv. symplast and transmembrane route are in living part of the cell a. i and ii b. ii and iii c. iii and iv d. i, ii, iii, iv 9. What type of transpiration is possible in the xerophyte *Opuntia*? b. Lenticular c. Cuticular d. All the above a. Stomatal

10. Which chlorophyll molecule does not have a phytol tail?

a. Chl- a b. Chl-b c. Chl-c d. Chl-d

11. The compound which links glycolysis and Krebs cycle is

a. succinic acid b. pyruvic acid c. acetyl CoA

12. Assertion (A): Oxidative phosphorylation takes place during the electron transport chain in mitochondria.

d. citric acid

Reason (R): Succinyl CoA is phosphorylated into succinic acid by substrate phosphorylation.

is the powerful growth inhibitor

a. Ethanol b. Cytokinins c. ABA d. Auxin

14. Select the correctly matched one

- A) Human urine i) Auxin -B
- B) Corn gram oil ii) GA3
- C) Fungus iii) Abscisic acid II
- D) Herring fish iv) Kinitin sperm
- E) Unripe maize v) Auxin A grains
- F) Young cotton vi) Zeatin bolls
- a) A-iii, B-iv, C-v, D-vi, E-i, F-ii, b) A-v, B-i, C-ii, D-iv, E-vi, F-iii,

c) A-iii, B-v, C-vi, D-i, E-ii, 15. Seed dormancy allows the plants to	·	, B-iii, C-v, D-vi,	E-iv, F-i	
a. overcome unfavourable climatic conditions		b. develop healthy seeds		
c. reduce viability		d. prevent deterioration of seeds		
16.Every unit of classification regardle	ess of its rank is		•	
a. Taxon	b. Variety	c. Speci	les d	l. Strain
17. Which of the following is not present		•		
a. Primata	b. Orthoptera	c. Diptera	d. Insect	a
18. In <i>Pheretima</i> locomotion occurs w		1		
a. circular muscles	r r		b. longitudinal m	nuscles and setae
c. circular, longitudinal muscle	es and setae	d. parap	•	
19. Which of the following have the hi			outu	
_	-	-		
a. Insects	b. Birds	•	osperms d. Fungi	
20. What type of fibres are found in co		atrix?		
a. Collagen b. Areolar c. Carti	lage d. Tubular			
21. The type of vision in Cockroach is				
a. Three dimensional b. Tw 22. How many abdominal segments ar	o dimensional c. e present in male		ockroach do not hoaches?	nave vision
a 10, 10 b. 9,	-		d. 9, 9	
23. First step in digestion of fat is			10	
• •	zyme action	a Absorption by	lactuals d Stor	age in adipose tissue
24. The respiratory structures of insects	•	c. Absorption by	factears u. Stor	age ili adipose tissue
a. tracheal tubes b. gill		n glands	d. lungs	
25. A person having both antigen A a	•			nd group
a. A b. B	ind untigen D on t	c. AB	-	d. O
		C. Ab	•	u. O
26. Glomerular filtrate contains				
a. Blood without blood cells a	nd proteins	b. Plasm	a without sugar	
c. Blood with proteins but with	nout cells	d. Blood without	t urea	
27. Knee joint is an example of				
a. saddle joint b. hinge joint	c. pivo	ot joint	d. glidin	g joint
28. Name of the joint present between	the atlas and axis	is		
· -	ot joint	c. saddle joint	d. hinge j	oint
29. The respiratory centre is present in				
<ol> <li>a. Medulla oblongata b. Hypot</li> </ol>	thalamus c. Ce	rebellum	d. Thalamus	
30. Rearing of honey bee is called				
a. Sericulture b. Lac culture		miculture	d. Apicul	
II.ANSWER THE FOLLOWING QUE			1	0X2=20
31. Write about the Properties		1.0 1	. 1 11.	
32. Differentiate between the l		es and Secondary	metabolites	
33. Write about the Properties 34. Differentiate between the l	•			
35. Write any three significanc				
36. Differentiate between mito				
37. Given an account of G0 ph				
38. Differentiate white adipose		n adipose tissue.		
39. Why blood is considered as a typical connective tissue?				
40.Differentiate between elastic fibres and elastic connective tissue.				
41. Name the bones of the skul	1.			
42. Which is the only jointless	bone in human bo	ody?		
43. How is tetany caused?				