	V.M.G.R.R SRI SARADA SAKTHI MAT. HR. SEC. SCHOOL				
	STD: XI	BIOLO	DGY	MARKS-70	
	BIO BOT	`ANY	MARKS-3	35	
I.CHO	OSE THE CORI	RECT ANSWER : 8	3X1=8		
a. 2. Ide: a. b. c. d. 3.Durir are a. 4. The a. 5. Asse Reason	2ATP 1 2NADPE ntify true statemen Splitting of water PS I and PS II inv The reaction center ing oxidation of tw . 3 b compound which 1 . succinic acid b ertion (A): Oxidation (R): Succinyl Co. a. A and R is corr b. A and R is corr	I b.2ATP 13NADPH c.3 at regarding light reaction molecule is associate with volved in the formation of er of PS I is Chlorophyll er of PS II is Chlorophyll to molecules of cytosoli . 4 c. 6 links glycolysis and Krei b. pyruvic acid c. a ve phosphorylation takes A is phosphorylated into rect. R is correct explana- tect but R is not the correct of provide the correct of provide the correct of provide the correct of provide the correct	3ATP 1 2NADPH n of photosynthesis ith PS I. of NDPH1H1. a with absorption p l a with absorption c NADH 1 H1, num bs cycle is cetyl CoA s place during the el succinic acid by su ation of A ect explanation of A d A and R is wro	d. 3ATP 1 3NADPH eak at 680 nm. peak at 700 nm. nber of ATP molecules produced in plants 1. 8 d. citric acid lectron transport chain in mitochondria. lbstrate phosphorylation.	
6. lf th	c. A is correct but e diameter of the	pulley is 6 inches, leng	gth of pointer is 10	ng.) inches and distance travelled by	
6. If th pointe	c. A is correct but e diameter of the r is 5 inches. Calc	e pulley is 6 inches, leng culate the actual growt	gth of pointer is 10 h in length of plan	ng.) inches and distance travelled by it.	
6. If th pointe	c. A is correct but e diameter of the r is 5 inches. Calo a. 1.5inches	e pulley is 6 inches, leng culate the actual growt b. 6 inches	gth of pointer is 10 h in length of plan c. 12 inches	ng.) inches and distance travelled by it. d. 30 inches	
6. If th pointe 7	c. A is correct but e diameter of the r is 5 inches. Calo a. 1.5inches is the pow a. Ethanol	e pulley is 6 inches, leng culate the actual growt b. 6 inches erful growth inhibitor b. Cytokinins	gth of pointer is 10 h in length of plan c. 12 inches c. ABA	ng.) inches and distance travelled by it. d. 30 inches d. Auxin	
6. If th pointe 7 8.Selec	c. A is correct but e diameter of the r is 5 inches. Calo a. 1.5inches is the pow a. Ethanol et the correctly m	e pulley is 6 inches, leng culate the actual growt b. 6 inches erful growth inhibitor b. Cytokinins atched one	gth of pointer is 10 h in length of plan c. 12 inches c. ABA	ng.) inches and distance travelled by it. d. 30 inches d. Auxin	

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

II. Answer any four of the following :

9. Two groups (A & B) of bean plants of similar size and same leaf area were placed in identical conditions. Group A was exposed to light of wavelength 400-450nm & Group B to light of wavelength of 500-550nm. Compare the photosynthetic rate of the 2 groups giving reasons.

10. Define respiratory quotient.

11. Define Seed Germination.

- 12. Define Photoperiodism.
- 13. Draw the Structure of Mitochondria and label the parts.

14. Differences between cyclic photophosphorylation and non-cyclic photophosphorylation

III. Answer any three of the following :

15. Give a brief account on Programmed Cell Death (PCD)

16. Respiratory quotient is zero in succulent plants. Why?

17.Explain the reactions taking place in mitochondrial inner membrane.

18. Define the following terms Apical dominance, ii-Bolting, iii. Richmond long effects

19. Explain the Experiment to prove oxygen evolved during Photosynthesis.

IV. Answer all the questions :

20. Write the flowchart of glycolysis

OR

When there is plenty of light and higher concentration of O2, what kind of pathway does the plant undergo? Analyse the reasons.

21.Describe the mechanism of photoperiodic induction of flowering.

OR

In Botany class, teacher explains, Synthesis of one glucose requires 30 ATPs in C4 plants and only 18 ATPs in C₃plants. The same teacher explains C₄ plants are more advantageous than C₃ plants. Can you identify the reason for this contradiction?

BIO- ZOOLOGY	Marks -35
I.CHOOSE THE CORRECT ANSWER :	8X1=8
1.	
II. Answer any four of the following :	4X2=8
9.	
III. Answer any three of the following :	3X3=9
15.	
IV. Answer all the questions :	2X5= 10
20.	

2X5 = 10

3X3=9

4X2=8