## MODEL PAPER - V (E/M)

## GENERAL SCIENCE - II (Biological Science)

CLASS: X PART: A & B MAX. MARKS: 40 TIME: 1.35 Hrs

PART - A ( 30 MARKS) SECTION - I ( 3 x 2 = 6 MARKS )

- f Attempt any Three questions.
- 1. What are aerial roots? In which roots it appears.
- 2. What is photosynthesis? write a equation.
- 3. Why are the alveoli numerous and very small?
- 4. How do you appreciala stomach as a churning machine?
- 5. What is the peristalic movement?
- 6. If girl child is born this is to due to women. is it Correct? Write a Commentary.

SECTION - II  $(2 \times 4 = 8 \text{ MARKS})$ 

- Attempt any Two questions.
- 7. What is the role of saliva in Digestion Systems of food?
- 8. Draw a picture of Fertilization in plants and specity the important parts.
- 9. How do Scientists use information related to fossíls?
- 10. What do you mean by Synopse? How does it contribute to information Promotion?

SECTION - III ( $2 \times 8 = 16 \text{ MARKS}$ )

- Attempt any Two questions.
- 11. If you have a chance to meet Pulmonologist, what questions are you going to ask about pulmonary respiration.
- 12. Which alkaloids are useful to man and find out the various parts in plants?
- 13. Explain the Darwin's theory of nature with examples.

14. You can use your School promoter to examine Carbohydrates in leaves. Specify the procedure followed in.		
	( 10 x 1 = 10 MARKS )	
choose the right answer.		
1. During the Photosynthesis in plants Co2 obsorbs from which which Parts? ( )		
A. Root hair C. Stomata	B. Leaf Petiole D. Petals	
2. Net amount of ATP's in Glycolysis. ( )		
A. 2 C. 6	B. 4 D. 8	
3. Following the which part regulate the blood circulation. ( )		
A. Artery C. Vein	B. Wall D. Capillary	
4. A Drug used to prevent malaria. ( )		
A. Quinine C. Risespin	B. Nimbin D. Caffeen	
5. Standard of excretory organ in human. ( )		
A. Nueron C. Flame cells	B. Nephron D. Nephridia	
6. What is the phenotype ratio	in Hybridization. ( )	
A. 1 : 2 : 1 C. 9 : 3 : 3 :1	B. 3 : 1 D. A & B	
7. Archaeologist associatad w	ith ( )	
A. Embryological evidence C. Fossils	B. Residual organ evidence D. All of the above	
8. Example of open type blood circulation System. ( )		
A Frog	B Man	

D. Butter fly

C. Earthworm

9. Which hormone is related	to urinary incontinence. ( )	
A. Adrenalin	B. Vasopresin	
C. Estrogen	D. Criatinin	
10. which place of mental desorders in human beings. ( )		
A. Diencephalon	B. Cerebellum	
C. Medulla oblongata	D. Cerebrum	