

Dr.K.K.R GOWTHAM (E.M) HIGH SCHOOL :: GUDIVADA

Class : X – State

Marks : 50

Sub : Biology

PRE-FINAL - III

Time: 2 ½ hrs

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**I. 12× ½ = 6M**

**Note: 1. Answer all the question's**

**2. Each Question carries ½ Mark.**

1. Name the simple sugar that can easily release energy and used by the body.
2. The soft food move like waves in the alimentary canal? What do you call this ?
3. Products of digestion are absorbed here in \_\_\_\_\_ and then move into the blood vessel of alimentary canal.
4. What is the muscular valve that controls the movement of air and food towards their respective passages ?
5. What happens if diaphragm is not there in the body?
6. What is pulse ?
7. Accumulation of fluid in the interstitial cells below the skin on overnight journey is ?
8. What is mitral valve?
9. Who is responsible for yellow colour of urine?
10. What are Raphides ?
11. What is Association neuron.
12. What is placenta and for how many weeks. It is formed?

**II. 8× 1 = 8 M**

**Note: 1. Answer all the Questions**

**2. Each Question carries 1 Mark**

13. Where is embryosac present ? How is endosperm formed?
14. Give only heading of
  - a) natural methods of vegetative propagation
  - b) Artificial methods of vegetative propagation
15. Name 2 nerves
  - a) involved in movement of lower jaw
  - b) involved in Hungerpangs
16.
  - a) Which part of forebrain plays role in hungerpangs
  - b) Which Nervous system controls salivary secretions?
17. What are the substances produced after chyme entering into the duodencen?
18. What are variations? How do they occur?

**III. 8× 2 = 16 M**

**Note: 1. Answer all the Questions**

**2. Each Question carries 2 Mark.**

19. Give the name of scientists for following

- a) origin of species                      b) capillaries  
c) chlorophyll in chloroplast              d) principles of geology
20. What are the measure for soil conservation?
21. What is IUCN? How is it planning to protect wild life and Habitats
22. If we introduce a man into a forest ecosystem at which level of food chain we will place him?
23. Explain why Ecological pyramids are always upright?
24. What is trophic level? What does it represent in ecological Pyramid
25. Define a) Bio accumulation b) Bio magnification
26. Why Human being is moving museum of vestigial organs?

**SECTION – D ( 5× 4 = 20 M)**

**Note: 1. Answer all the Questions**

**2. Each Question has internal choice.**

**3. Each Question carries 4 Marks.**

27. a) Write about external structure of Human heart  
(or)  
b) Write about difference between photosynthesis & Respiration
28. a) Write chemical names and deficiency diseases of 'B' compels and A, D, E, K Vitamin  
(or)  
b) Write Pituitary gland Hormones & their function.
29. Write names of different kinds of Alkaloids, and their uses?  
(or)  
Write about mechanism of urine formation by drawing diagram of Nephrons
30. Write a note on mixed gland and diabetes?  
(or)  
Draw a neat labeled diagram of brain and write function of various parts
31. Prepare slogans to promote awareness in your classmates about ecofriendly activities.  
(or)

What is ICRISAT, where is it? What are its functions and measures taken to conserve water resource.