

**Instructions to Students:** Read all the questions thoroughly and write down the answers.

This question paper contains a total of 4 parts. They are

- I. There will be 4 questions. Each question carries 4 marks. Answer all the questions.
- II. There will be 6 questions. Each question carries 2 marks. Answer all the questions.
- III. There will be 7 questions. Each question carries 1 mark. Answer all the questions.
- IV. There will be 10 multiple choice questions each question carries ½ mark. Answer all the questions.

**I. Answer all the questions. Each question carries 4 marks** **4 x 4 = 16**

1. What are the various excretory organs of human? What are the products that they excrete?
2. What is malnutrition? Describe any of the diseases caused by some malnutrition?
3. Write about the response of plants and animals to stimuli in the surroundings?
4. Explain the structure of T-S Chloroplast with a neatly labelled diagram.

**II. Answer all the questions. Each question carries 2 marks** **6 x 2 = 12**

5. Explain the steps/ events in respiration
6. Why do plants shed their leaves and bark periodically?
7. Write the process of photosynthesis in the form of an equation.
8. **What is double circulation?**
9. Give examples of how plants respond to stimuli?
10. Draw the diagram and identify the parts of a neuron?

**III. Answer all the questions. Each question carries 1 mark** **7 x 1 = 7**

11. What is the meaning of Ex in the Latin language for excretion word?
12. What causes AIDS?
13. What are parasites?
14. What is peristaltic movement?
15. Where does the exchange of gases take place in the lungs?
16. Which artery supplies blood to body parts?
17. What is a pulse?

**IV. Answer all the questions. Each question carries 1/2 mark** **10 x 1/2 = 5**

18. What is chlorophyll a\_\_\_  
A. Yellow-green pigment B. Blue-green pigment C. Red Pigment D. none
19. What is the colour of the blood in the cockroach?  
A blue B. Red C. Yellow D. White
20. How many pairs of spinal nerves are there in our body?  
A. 33 pairs B. 30 pairs C. 32 pairs D. 31 pairs
21. Which enzyme is reacts with proteins?  
A. pepsin B. amylase C. Trypsin D. Pepsin & Trypsin
22. What is the most important mineral in haemoglobin?  
A. Fe B. Mn C. Hg D. Mg
23. What is the two-way circulatory system?  
A. Single circulatory system B. Mixed circulatory system C. double' circulatory system D. All the above
24. The inner part of the kidney that is in the pale colour in the vertical section is called  
A. Xylem B. Cortex C. Medulla D. None
25. For plants propagated by mechanisms of dissection and grafting What are examples?  
A. Mango B. Banana, pineapple, orange, grapes pink C. Apple, chamomile D. Guava, Ball

26. Cuscuta plant belongs to which family?

A. Fabaceae B. Convolvulaceae C. Malvaceae D. Cucurbitaceae

27. which part of the brain controls breathing, heart rate, blood pressure and other activities

A. Middle Brain B. cerebrum C. Marrow face D. Cerebellum

*Pravinnya*  
Nurturing Talent

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