

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 $\frac{1}{2}$ mark. Answer all the questions.

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- I. Answer all the questions. Each question carries 4 marks 4 x 4 = 16
 1. Write the differences between arteries and veins.
 2. Write the differences between aerobic and anaerobic respiration.
 3. What are the Future consequences of depletion of natural resources?
 4. What are the 3R methods to save the environment? Explain.
 - II. Answer all the questions. Each question carries 2 marks 6 x 2 = 12
 5. Write about any two diseases caused by Malnutrition?
 6. Write down any four systems involved in the process of producing appetite stimuli?
 7. How do scientists determine the age of fossils?
 8. What is Root Pressure? How is it useful to the plant?
 9. What are the functions of the spinal cord?
 10. What are the artificial methods of vegetative propagation in different types of plants?
 - III. Answer all the questions. Each question carries 1 mark 7 x 1 = 7
 11. What are the end products of light reaction?
 12. Which organism has a single vascular system?
 13. What is the substance formed in the urine due to high intake of carbohydrates?
 14. Write the names of two plants that respond to light.
 15. Which organisms have external fertilization?
 16. How much is the saliva secreted in human beings per day?
 17. Who invented artificial gene?
 - IV. Answer all the questions. Each question carries $\frac{1}{2}$ mark 10 x $\frac{1}{2}$ = 5
 18. How many pairs of salivary glands are found in human beings?
 - a. 1
 - b. 2
 - c. 3
 - d. 4

