

ONE TWO ACADEMY**STD 10 SCIENCE****Transportation and circulation****Total:- 25 marks****Time:- 45 minutes****Answer the following questions:****4 x 1 = 4**

1. Normal blood pressure is _____.
2. Who is the father of Modern Physiology?
3. During transpiration there is loss of _____.
4. Difference between phloem and xylem is _____.

Answer any three of the following questions:-**3 x 2 = 6**

5. Differentiate universal blood donor and recipient.
6. Why is the sinoatrial node is called as the pace maker of heart ?
7. The complete events of cardiac cycle last 0.8 sec. What is the timing for each event ?
8. What is cohesion?

Answer any two of the following questions:-**2 x 4 = 8**

9. Give reasons:
 - (i) Guard cells are responsible for opening and closing stomata.
 - (ii) Mature RBCs in mammals do not have cell organelles.
10. Enumerate the functions of blood.
11. a) Give the importance of transpiration.
b) Differentiate Artery and veins.

Answer any one of the following questions:-**1 x 7 = 7**

12. How do plants absorb water? Explain.
13. Why are leucocytes classified as granulocytes and agrnuloocytes? Name each cell and mention its functions.

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