Sharya Academy

Science Test   M.M.-40
Transportation in Plants and Animals   Time-1hr

Q1. Fill in the blanks-   ½ x 5 = 2½
a. Most plants have a well-developed transport system known as _____.
b. _____ are outgrowths from the layer of outer cells of the root. It _____ the surface area of the root for the absorption of water and mineral salts.
c. A _____ is a membrane that allows only some kinds of molecules to pass through it by _____.

Q2. Tick the correct option-   ½ x 5 = 2½
a. When you feel the pulse, what you actually feel is blood rushing through the
   i. Arteries   ii. Veins   iii. Capillaries   iv. All of these
b. Food is transported to other parts of the body by the process of
   i. Transpiration   ii. Phloem   iii. Xylem   iv. Translocation
c. There is/are _____ excretory organ/s in our body.
   i. Five   ii. Six   iii. One   iv. Four
d. An instrument called _____ is used to measure blood pressure.
   i. Stethoscope   ii. Thermometer   iii. Microscope   iv. Sphygmomanometer
e. _____ are tiny filtering units of the kidneys.
   i. Neurons   ii. Alveoli   iii. Capillaries   iv. None of these

Q3. Define the following-   1 x 5 = 5
a. Septum   b. Excretion   c. Wilting   d. Ascent of Sap   e. Metabolism

Q4. Differentiate between the following-   2 x 4 = 8
a. Arteries and Veins
b. Osmosis and Diffusion
c. RBCs and WBCs
d. Platelets and Plasma

Q5. Explain blood circulation in human body.   3 x 1 = 3
Q6. What are the functions of RBCs and WBCs?   2 x 1 = 2
Q7. How do platelets help our body?   1 x 1 = 1
Q8. What is dialysis?   1 x 1 = 1
Q9. Draw a well-labelled diagram of the heart and explain it.   5 x 1 = 5
Q10. Why is the colour of the blood red, although it has constituents of different colour?   2 x 1 = 2

Q11. Draw a well-labelled diagram of the excretory system and explain it.   5 x 1 = 5

Q12. What does the circulatory system consist of? Give the main function of   3 x 1 = 3
each.