CLASS X

LIFE PROCESSES

THIS ASSIGNMENT IS TO BE DONE IN YOUR BIOLOGY NOTEBOOKS

MCQ

1. The invertebrates that have the open circulatory system are

a) sea horse
b) sea spider
c) jewel anemone
d) arthropods

2. Agranulocytes are:

a) lymphocytes and monocytes
b) lymphocytes and basophils
c) eosinophils and basophils
d) eosinophils and monocytes

3. White blood cells engulf bacteria in a process called:

a) diapedesis
b) phagocytosis
c) active transport
d) passive transport

4. The nearest organ to which the heart supplies oxygenated blood is:

a) Lung
b) Stomach
c) Intestine
d) Heart itself

5. When a doctor is recording your pulse, he is pressing on your wrist exactly on a

a) Arteriole
b) vein
c) capillary
d) artery

Q6. Give reason for the following:

a) The walls of the left ventricle are thicker than the walls of all other chambers.
b) Blood flowing away from the stomach and intestines is put into circulation via the liver and not directly
c) Only the veins and not the arteries are provided with valves.
d) The arteries are deep seated in the body

Q7. a) Name the blood vessel that brings oxygenated blood to the human heart.
b) Which chamber of the heart received oxygenated blood?

c) Explain how is the oxygenated blood from this particular chamber sent to all the body parts?

Q8. What is the advantage of a four chambered heart?

Q9. Write three types of blood vessels. Give one important feature of each

Q10. Why is energy needs in plants is very less as compared to animals? Explain.

Q11. What are the components of the transport system in human beings? What are the functions of these components?

Q12. Why is it necessary to separate oxygenated and deoxygenated blood in mammals and birds?

Q13. What are the components of the transport system in highly organised plants?

Q14. How are water and minerals transported in plants?

Q15. How is food transported in plants?

Q16. Differentiate between blood and lymph. (Hint: Colour, presence of RBC, direction of flow)

Q17. a) “The breathing cycle is rhythmic whereas exchange of gases is a continuous process”. Justify this statement.

b) What happens if conducting tubes of circulatory system develops a leak?

Q18. Draw a diagram of the front view of human heart and label any six parts including at least two that are concerned with arterial blood supply to the heart muscles