INDIAN SCHOOL DARSAIT
DEPARTMENT OF BIOLOGY

Subject : Biology	Topic : Life Processes - Transportation	Date of worksheet : 25-4-2019
Resource Person: Mrs. S. Subhaja Nandakumar		Date of Submission :_____
Name of the Student :_____	Class & Division :X__	Roll Number : __

S.No.	Questions	Marks
1.	Name the artery which carries deoxygenated blood.	1
2.	Name the component of blood that helps in the formation of blood clot in the event of a wound.	1
3.	Leaves of a healthy potted plant were coated with petroleum jelly. How will it affect the plant? State two reasons.	2
4.	Brief on the circulation in fishes	2
5.	Differentiate between single and double circulation found in vertebrates.	2
6.	Name the vascular tissues in plants and state their differences?	2
7.	Give reasons: (a) Ventricles are thicker than atrium. (b) Arteries are thicker than veins (c) Mature RBC in humans lack nucleus and mitochondria (d) Blood flow in arteries is by spurts and under pressure.	2
8.	In mammals and birds why is it necessary to separate oxygenated and de-oxygenated blood?	2
9.	How is food transported in plants?	2
10.	What are the differences between arteries and veins?	3
11.	What is lymph? Mention its functions.	3
12.	List the three kinds of blood vessels of human circulatory system and write their functions in tabular form.	3
13.	Why and how does water enter continuously into the root xylem of plants?	3
14.	Define translocation with respect to transport in plants. Why is it essential for plants? Where in plants are the following synthesized? a) Sugar b) Hormone	5
15.	Describe double circulation in human beings. Why is it necessary? Explain with the help of a diagram.	5

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Subject : Biology | Topic : Life Processes - Excretion | Date of worksheet : 25-4-2019

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Name of the Student :_____ Class & Division :X__ Roll Number : __

S.No.	Questions	Marks
1 .	Define excretion.	1
2.	Name the functional unit of kidney?	1
3.	What is the role of glomerulus in kidney?	1
4.	Removal of faeces from the alimentary canal is not considered excretion. Why?	1
5..	How do unicellular organisms remove their wastes?	1
6.	Which of the nitrogenous waste is most soluble in water?	1
7.	Which substances are selectively reabsorbed by the tubular part of nephron?	1
8.	What is the role of skin, lungs and intestine in the process of excretion in man?	2
9.	What do you mean by artificial kidney?	2
10.	State two vital functions of kidney.	2
11.	What are the methods used by plants to get rid of excretory products?	3
12.	a) Draw a diagram of excretory system in human beings and label the following: Artery, Kidney, Urinary bladder and Urethra. b) How is the urine produced and eliminated?	3
13.	i)Draw the structure of a nephron and label the following on it. (a) Glomerulus (b) Bowman's capsule (c) Renal artery (d) Collecting duct ii) What happens to glucose that enters the nephron along with filtrate?	5