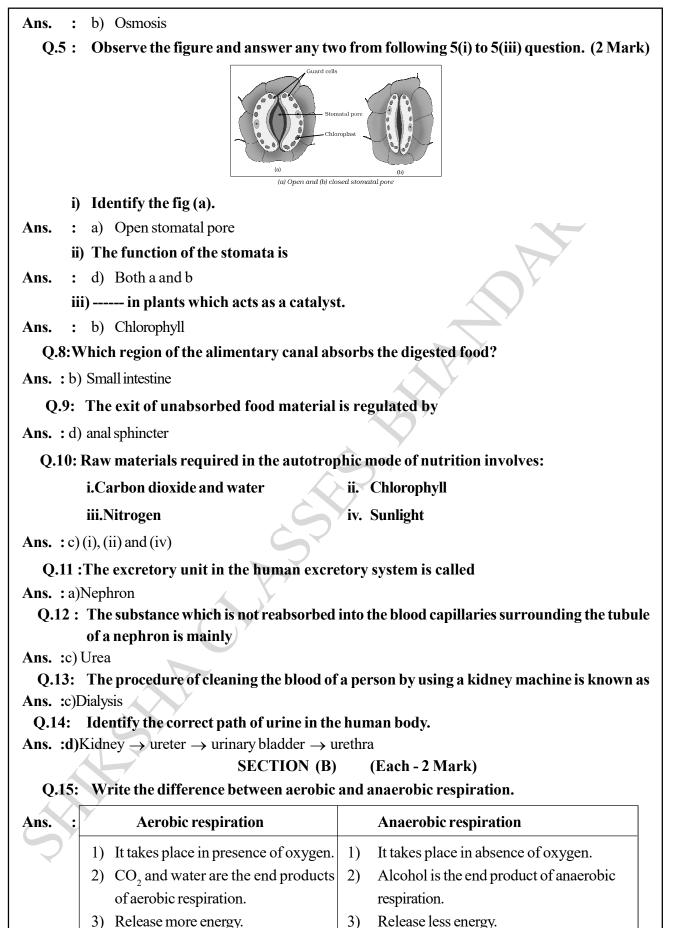


Sub. : S	Science	Answer Paper	Marks : 30
	K th - CBSE	6. Life Processes.	Time : 1 Hour.
		SECTION (A)	(Each - 1 Mark)
Q.1 :	The enzymes pepsin and	trypsin are secreted respectively by	Y.
Ans. :	a) Stomach and pancreas		/
		OR	
	Which of the following help effect of hydrochloric acid	p in protecting the inner lining of the ston 1?	nach from the harmful
Ans. :	a) Mucus		
Q.2 :	Write the name of the vei	n which brings clean blood from the lu	ngs into the heart.
Ans. :	Pulmonary vein.	(Co)	
		OR	
	Write the name of proce seperating the waste subs	edure which is used for cleaning the l stance from it.	blood of a person by
Ans. :	Dialysis.		
Q.3 :	Assertion (A) : Arteries are	thick walled and elastic in nature.	
	Reason (R) : Arteries have	to transport blood away from the heart.	
Ans. :	b) Both A and R are true by	ut R is not the correct explanation of the as	ssertion.
Q.4 :	Assertion (A): In a healthy actual volume excreted is or	adult, the initial filtrate in the kidneys is ab 11y a litre a day.	out 180 L daily, but the
	Reason (R): Most of the fi	ltrate is lost from the body in the form of s	sweat.
Ans. :	c) A is true but R is false.		
Q.5:	Assertion: Translocation o	f food occurs in Plants.	
	Reason: Xylem tissue is resp	ponsible for Translocation.	
Ans. :	a) Both A and R are true and	nd R is correct explanation of the assertion	1.
Q.4 ;	v	ized products from the leaves to the roc ace through the phloem. This process i	1
Ans. :	a) Translocation		
		OR	

The process of diffusion of solvent particles from the region of less solute concentration to a region of high solute concentration through semi-permeable membrane is known as



Release more energy.
This process of break down of
The process of break down of

glucose take place in cytoplasm.

4) The process of break down of glucose takes place in mitochondria.

OR

Write two difference between the transport of materials in xylem and phloem.

Ans. : i) Xylem tissue helps in the transport of water and mineral Phloem tissue helps in the transport of food.

ii) Water is transported upwards from roots to aerial parts of plants through xylem.

Food is transported in both upward and downward directions through phloem.

Q.16: What do you mean by double circulation of blood?

Ans. : Double circulation is the passage of same blood twice through heart first from right side to lungs and back to left side for passage to rest of the body to be returned to right side. It consist of two components pulmonary circulation and systemic circulation. In pulmonary circulation deoxygenated blood is converted into oxygenated blood. In systemic circulaton oxygenated blood is supplied to all parts of the body. It gets changed into deoxygenated form.

Q.17: Draw the diagram of human excretory system. Ans. : Excretory system in human beings

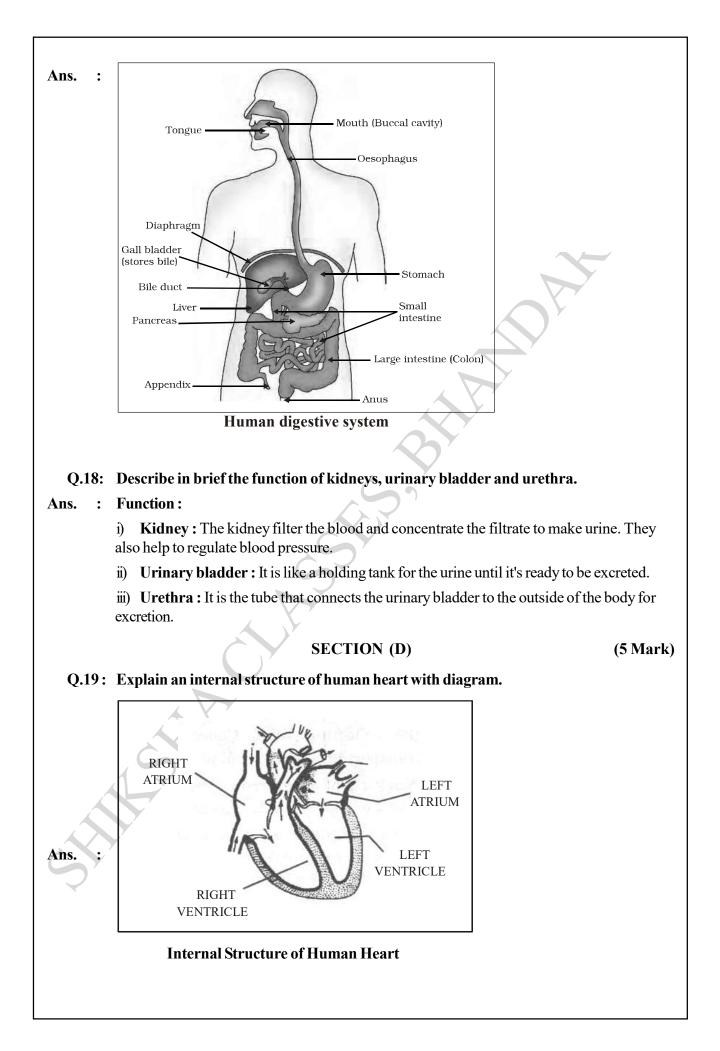
a ugo

OR

: Draw the diagram of human digestive system.

SECTION (C)

(Each - 3 Mark)



Right Atrium		Right Ventricle	
i) ii)	It receives deoxygenated blood from the whole body. It contracts and pours the deoxygenated	1. 2.	It receives deoxygenated blood from right atrium On contraction, it pumps the deoxy-
	blood into the right ventricle.		genated blood into the pulmonary arc This blood is taken to lungs by two pulmonary arteries for oxygenation.
LeftAtrium			Left Ventricle
i)	It contains oxygenated blood which is brought into it from the lungs by four pulmonary veins.	1.	It receives oxygenated blood from left atrium.
ii)	On contraction, it sends the oxygenated blood into the left ventricle.	2.	On contraction, it sends the oxygenate blood to different body

OR

: Explain the nutrition process in an Amoeba.

Ans. : The various steps involved in the process of nutrition are :

- i) **Ingestion :** Amoeba ingests food with the help of its finger like extensions, called pseudopodia. When a food particle approaches Amoeba, it forms preudopodia around it and forms a food vacuole inside the Amoeba
- **i Digestion :** Various enzymes from the cytoplasm enter into the food vacuole and break them down into simple soluble molecules.
- iii) **Absorption :** The simple soluble food is absorbed by cytoplasm of Amoeba from food vacuoles through the process of diffusion.
- iv) Assimilation : Amoeba cell obtains energy from the absorbed food through respiration. This energy is utilised by Amoeba for its growth and repair of the body.
- v) **Egestion :** When a considerable amount of undigested food gets collected inside Amoeba, its all membrane ruptures and throws out the undigested food.

