SHIKSHA CLASSES

Sub. : Science | **Question Paper** | **Marks : 30**

Std. : Xth - CBSE | **6. Life Processes.** | **Time : 1 Hour.**

SECTION (A) **(Each - 1 Mark)**

Q.1 : The enzymes pepsin and trypsin are secreted respectively by

a) Stomach and pancreas b) Salivary gland and stomach

c) Liver and pancreas d) Liver and salivary gland

OR

Which of the following help in protecting the inner lining of the stomach from the harmful effect of hydrochloric acid?

a) Mucus b) Pepsin c) Trypsin d) Bile

Q.2 : Write the name of the vein which brings clean blood from the lungs into the heart.

OR

Write the name of procedure which is used for cleaning the blood of a person by seperating the waste substance from it.

For question number 3 two statement are given one labeled Assertion (A) and other labeled Reason (R) select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below

a) Both A and R are true and R is correct explanation of the assertion.

b) Both A and R are true but R is not the correct explanatoin of the assertion.

c) A is true but R is false.

d) A is false but R is true.

Q.3 : **Assertion (A) :** Arteries are thick walled and elastic in nature.

Reason (R) : Arteries have to transport blood away from the heart.

Q.4: **Assertion (A):** In a healthy adult, the initial filtrate in the kidneys is about 180 L daily, but the actual volume excreted is only a litre a day.

Reason (R) : Most of the filtrate is lost from the body in the form of sweat.

Q.5: **Assertion:** Translocation of food occurs in Plants.

Reason: Xylem tissue is responsible for Translocation.

Q.6 :Movement of the synthesized products from the leaves to the roots and other parts of a plant's body takes place through the phloem. This process is known as:

a) Translocation b) Transpiration

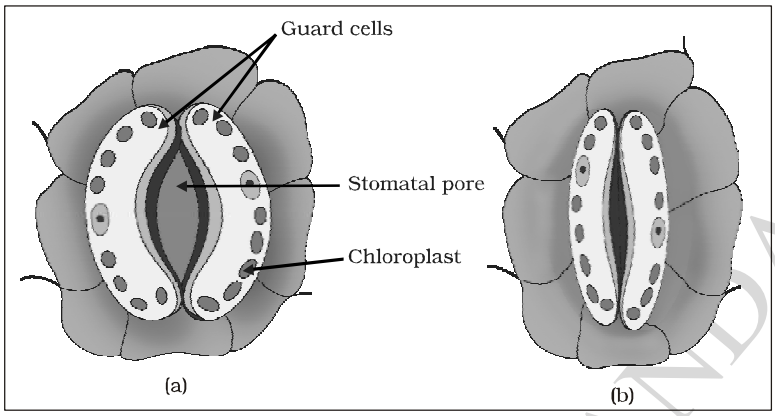
c) Transportation d) Excretion

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

a) Diffusion b) Osmosis c) Translocation d) Transpiration

Q.7 : Observe the figure and answer any two from following 5(i) to 5(iii) question. (2)



(a) Open and (b) closed stomatal pore

i) Identify the fig (a).

a) Open stomatal pore b) Closed stomatal pore

c) Both a and b d) None of the above

ii) The function of the stomata is

a) Gaseous exchanges between plant and the atmosphere.

b) Plant loses water through stomata which helps in movement of minerals from soil to leaves.

c) Only a d) Both a and b

iii) ------ in plants which acts as a catalyst.

a) Guard cell b) Chlorophyll c) Chloroplast d) Stomatal pore

Q.8: Which region of the alimentary canal absorbs the digested food?

a)Stomach b) Small intestine c) Large intestine d) Liver

Q.9: The exit of unabsorbed food material is regulated by

a)liver b) anus c) small intestine d) anal sphincter

Q.10: Raw materials required in the autotrophic mode of nutrition involves:

i.Carbon dioxide and water ii. Chlorophyll

iii.Nitrogen iv. Sunlight

a)(i), (ii) and (iii) b) (i) and (ii)

c)(i), (ii) and (iv) d) All (i), (ii), (iii) and (iv)

Q.11 :The excretory unit in the human excretory system is called

a)Nephron b) Neurone c) Nephridia d) Kidneyon

Q.12 : The substance which is not reabsorbed into the blood capillaries surrounding the tubule of a nephron is mainly

a)Glucose b) Amino acids c) Urea d) Water

Q.13: The procedure of cleaning the blood of a person by using a kidney machine is known as

a)Ketolysis b) Hydrolysis c) Dialysis d) Photolysis

Q.14: Identify the correct path of urine in the human body.

a)Kidney → urinary bladder → urethra → ureter

b)Urinary bladder → ureter → kidney → urethra

c)Kidney → ureter → urethra → urinary bladder

d)Kidney → ureter → urinary bladder → urethra

SECTION (B) **(Each - 2 Mark)**

Q.15: Write the difference between aerobic and anaerobic respiration.

OR

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

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

SECTION (C) **(Each - 3 Mark)**

Q.17 : Draw the diagram of human excretory system

OR

: Draw the diagram of human digestive system.

Q.18 : Describe in brief the function of kidneys, urinary bladder and urethra.

SECTION (D) **(5 Mark)**

Q.19 : Explain an internal structure of human heart with diagram.

OR

: Explain the nutrition process in an Amoeba.

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