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Sub. Biology

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Questions practice for PA 1

1. Which of the following is not a digestive enzyme contained in the pancreatic juice?

i. Lipase

ii. Hydrochloric acid

iii. Mucus

iv. Trypsin

a) (i) and (ii)

b) (i) and (iv)

c) (ii) and (iii)

d) (i) and (iii)

2. 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

3. Among the following choose the correct option which includes the organisms that have a holozoic mode of nutrition:

- a) Plasmodium and Amoeba
- b) Parakeet and Amoeba
- c) Paramecium and Plasmodium
- d) Paramecium and Parasite

4. 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)

5. The enzymes contained in pancreatic juices help in the digestion of:

- a) Fats and carbohydrates
- b) Proteins and fats
- c) Proteins and carbohydrates
- d) Proteins, fats and carbohydrates

6. 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

7. Sometimes we get painful cramps in our leg muscles after running for a long time due to the accumulation of:

- a) Hydrochloric acid
- b) Fat
- c) Carbon dioxide
- d) Lactic acid

8. The vein which brings clean blood from the lungs into the heart is known as:

- a) Pulmonary vein
- b) Hepatic vein
- c) Superior vena cava
- d) Pulmonary artery

9. 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

10. 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

11. Which among the following procedures is used for cleaning the blood of a person by separating the waste substance from it?

a) Kidney transplant

b) Blood transfusion

c) Dialysis

d) Hydrolysis

12. The excretory unit of the human excretory system is known as:

a) Nephridia

b) Neuron

c) Nephron

d) kidneys

13. Plants use the energy stored in ATP to accomplish the process of transportation of:

- a) Water and minerals
- b) Oxygen
- c) Water, minerals and food
- d) Food

14. Which among the following is necessary to carry out the blood coagulation in a cut or wound?

- a) White Blood Cells
- b) Blood plasma
- c) Platelets
- d) Red blood cells

15. Arteries and veins are connected by a network of extremely narrow tubes called:

- a) Sieve tubes
- b) Capillaries
- c) Vena cava
- d) Valves