Subject- Science

Practice Assignment-1

Q1 Amarbel is an example of :-

a) Autotroph b) Parasite c) Saprotroph d) Host

Q2 The white hard substance that covers the teeth is called-

a) Enamel b) Incisors c) Molars d) Canines

Q3 In which method of transfer of heat do the molecules travel from the hot the cold protion?

a) Conduction b) Convection c) Radiation d) None of these

Q4 Which of these is the best conductor of heat?

a) Water b) Nitrogen c) Iron d) Alcohol

Q5 Distinguish between a parasite and a saprotroph.

Q6 Where is the bile produced? Which component of the food does it help to digest?

Q7 What are villi? What is their location and function?

Q8 Why is nitrogenous fertilizer not added in soil in which leguminous plants are grown?

Q9 Explain through diagrams ingestion of food in Amoeba and Hydra.

Q10 What is the function of the polished curved surface at the back of the heating rod in a room heater?

Q11 Why do we cover ice with a jute cloth or sawdust?

Q12 Why are convection currents seen in liquids and gases, and not in solids?

Q13 Why outer base of a cooking utensil is painted black?

Q14 What conditions are necessary for transfer of heat from one body to another by conduction?

Q15 Case study:-

Take a potted and destarch its leaves by keeping it in dark for 2 days. Take a black paper and cut a simple 'L' shape in it by using a stencil. Leave the set up in sunlight for 4-6 hours. Detach the leaf and test it for presence of starch.

a) What will you observe from the above experiment?

b) Give a brief description of the process of synthesis of food in green plants.

c) How would you test the presence of starch in leaves?

Q16 Source based:-

All animals including humans need certain nutrients to stay alive and grow.These nutrients are obtained from food. The food you eat is not in a form that can instantly provide you with nutrients.

a) Can we survive only on raw, leafy vegetables/grass? Discuss.

b) Write one similarity and one difference between the nutrition in amoeba and human beings.

c) Why do we get instant energy from glucose?