Class VI Biology

neral Instructions:

All questions are compulsory.

Questions 1 to 15 carry one mark each.

Questions in 2 A and B carry one mark each.

Questions in 3 A carry one mark each and B carries 5 marks.

Question 4 A and B carries 5 marks each.

Questions in 5 A and B carry one mark each.

Questions in 6A and B carry one mark each.

Question 7 A and B carry five marks each.

uestion 1

noose the correct answer out of the four available choices given below each question. [15]

- 1. Who coined the term 'cell'?
 - (a) Matthias Schleiden
 - (b) Theodor Schwann'
 - (c) Charles Darwin
 - (d) Robert Hooke
- 2. Which of the following connects the pharynx to the stomach?
 - (a) Large intestine
 - (b) Oesophagus
 - (c) Caecum
 - (d) Small intestine
- 3. Transpiration is a function of the_____.
 - (a) Leaves
 - (b) Stem
 - (c) Flower
 - (d) All of these
- 4. Which of the following is not good for the eyes?
 - (a) Eating vegetables
 - (b) Looking at the Sun directly
 - (c) Washing your eyes with cold water
 - (d) Taking breaks while working on a computer

5. Oxygen and carbon dioxide are exchanged at the (a) Nasal cavities (b) Trachea (c) Pharynx (d) Alveoli
 6. Which of the following refers to the initial U-shaped part of the small intestine? (a) Jejunum (b) Ileum (c) Duodenum (d) Caecum
 7. Vacuole is a watery sac bounded by a membrane termed as (a) Tonoplast (b) Chromoplast (c) Centriole (d) Cristae
8. The outermost part of a rose flower is (a) Sepals (b) Petals (c) Stamen (d) Style
 9. Which of the following is the main source of energy? (a) Proteins (b) Minerals (c) Vitamins (d) Carbohydrates
10. Which of these connects the leaf to the stem? (a) Lamina (b) Veins (c) Midrib (d) Petiole
11. What is the shape of the trees found on the mountains? (a) Rod (b) Spiral (c) Cone (d) Straight

12. What is the function of tail in fish? (a) Swimming (b) Changing directions	
(c) Respiration	
(d) Protection	
13. The corolla is made up of units called	
(a) Sepals	
(b) Petals	
(c) Stamens	
(d) Style	
14. In plant cells, which of the following organelles has smaller units called dictyosomes?	
(a) Cytoplasm	
(b) Cell wall	
(b) Cell wall (c) Golgi apparatus	
(d) Centrosome	
(u) Centrosome	
15. During photosynthesis plants give out (a) Carbon dioxide	
(b) Oxygen	
(c) Nitrogen	
(d) Carbon monoxide	
Question 2 [5]	
A. Name the following.	
A. Name the following. 1. The organelle which digests old or injured parts of its own cell. 2. A thin, sticky film composed of mucous, food particles and bacteria, which	
2. A tilli, sticky film courface of the teeth over a period of time. flague	
the more arrangement of Vellis off a feat.	
4. The surface of atooth. Inamel on the leaf for the exchange of gases.	a
4. The surface of atooth. Enamel Quantile 5. Tiny openings found on the lower side of the leaf for the exchange of gases.	
5. Thry openings ross. [5]	
B. Fill in the blanks.	
1 The enzyme converts maltose intoglucose.	
1. The enzyme converts maltose intoglicose. 2. Frogs have feet which allow them to swim in water. Webbed	
to in the growth and transformation of	
	40. 3
 4. Centrosome consists of one of two fod-like bodies can 5. One complete sequence of part contraction and relaxation is called 	ining
5. One complete sequence of part confidence of part	O

[5]

A. Match the following.

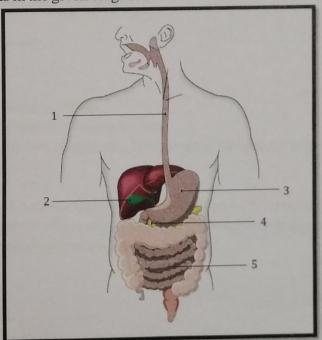
Column A	Column B
1. Chloroplast	A. Converts starch into maltose 4
2. Cell membrane	B. Converts peptones into amino acids
3. Ribosome	C. Manufacture of food in plants 1
4. Amylase	D. Synthesis of proteins 3
5. Erepsin	E. Entry and exit of materials 2

B. With the help of a suitable diagram explain the structure and function of the mitochondria and the endoplasmic reticulum.

Question 4

A. Why is seed dispersal important? Explain the different methods of seed dispersal.[5]

B. Label the parts in the given diagram.



B. 1. Oesophagus 2. Yall bladder 3. Stomach 4. Pancreas 5. Small intestine

QUESTION 3

B. With the help of a suitable diagram explain the structure and function of the mitochondria and the endoplasmic reticulum. (5)

Mitsochondria:

energy "servency" of the cell for all activities.

Lendoplasmic reticulum:

A network of memberaneous tubules within the

cytoplasm of a sukarystic sell, continuous

with the nuclear memberane is called endoplasmic

reticulum. It usually has riboromes

attached and is involved in protein and

lipid synthesis.

QUESTION 4

A. Why is seed dispersal important? Explain the dispersal of seed is very important for the survival of plant species, If plants grow too closely closely, they have to compete for light, water and nutrients from the soil. Seed dispersal

allows plants to spread out from a wide men and and avoid confessing with one another for the same essauces. The most cammon mother of seed disposed are wind, water, animals, explosion. Beaut of plants like dandelions, comma swan plants and cotton wood are light and have feathery to alles brister and can be carried long distance by wind.

Water as a means of dispersal and float away from the parent plant. If the seeds fall in the water they are carried away from the tide to grow somethere else. Ex - coronect, mangious and lotus reads disperse by water.

Animal disposal: Berds often fly away from the parent plant and dispose the seeds in their dropings.

QUESTION 6

A leaf has those main parts. Petiole, having that that and Mideriles.

Petiole > This is the basal part of the leaf it is attached to the stem at the most node.

damina / heaf bloode > The green, flat and broad part of the leaf is known as lamina on leaf blood. The outer edge of leaf blood is called leaf marrier.

Midrile - Petiole continues to the lamina or midrits.

This laterally gives out fine branches called males thirds, and food.

The leaf has to main functions:

(1) Photosynthesis > The percess by which a plant leaf

from prepares food from water and carbondiocide
in the presence of enloughful and sunlight is known as photosynthesis: QUE (ii) Teansposition & The process by which water is lost from in the form of water vapour by evaporation become the swiface of the leaf and other are aerial parts of the plant, It has a cooling fulling effect and it develops a tuff suction force to make the not absorb more water and minerals from soil. B. Define the following: (5) 1. Egestion = The perocess of eliminating the undigested food through the anus is called egestion. 2. Breathing = Breathing is a physical process which involves inhalation of air through the nostrils into the nasal cavity the and finally into the lungs and exhalation, the porcing out of the air from the lungs. 3. Internode = The part of the stem between to successive node is known as internode. 4. Plaque - Sometimes sugarey and stor starchy foods that we eat get stuck to the teeth.
This along with bacteria on the teeth's sweface found a yellow coloured film called plaque.

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3. Bisexual flower = Some flower with both male and female superoductive par that is androceium gynoccium are called bisexual flower.

F MOITZBUG

A is Explain the modification in the leaf. [3]

Tendrils = In case of certain weak stemmed plant the leafs and leaflets are madified into wivey and coiled structures called tendrils. They are sensitive to touch. As touch something they coil around it and help the plant to climb up.

Spines = deaf are modified into spines to reduce water loss. like cactus, fruch prickly poppy, leaves have the spines on the margin.

Scale leaves = The plants totach like onion and gingle, thick and fleasty or thin and dry scale leaves are present respectively. Their function is to store food and protect the buds.

Be 2. State the importance of transpiration. In importance of transpiration to the green plants

are importance of transpiration to the green plants

are looling effect = The water keeps on evaporates

from the leaf severace during transpiration, this

helps the plant to good itself when it is not

active.

Camlin

the plant to grow.