

FIRST MID TERM EVALUATION JULY : 2016 -'17

Time : 45 mts
Total Score : 20

Std. IX

BIOLOGY

Instructions:

- Attempt the questions based on the instructions provided.
- Score for each question is provided against the concerned question.

1 Compare the first pair of words and complete the second pair.

a) Carotene : yellowish orange

Xanthophyll : $\frac{1}{2}$

b) Closes trachea : epiglottis

Closes nasal cavity : $\frac{1}{2}$

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2 Find out the odd one and write the common feature of others.

a) Palate, Crown, Neck, Root 1

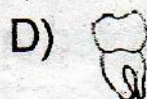
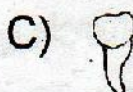
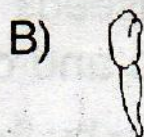
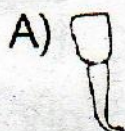
b) Chlorophyll-a, chlorophyll-b, carotene, xanthophyll 1

3 "Algae in the ocean are very essential for the existence of life on land." Give reason. 1

4 What is the chemistry behind the sweetness of rice when chewed for sometime with out any curries? 1

5 Prepare a poster for the awareness of the subject 'Air pollution and diseases.' 1

6 Name the teeth and write their functions. 2



7 Rearrange the following statements in the given column and give suitable heading. 2

- a) Occurs in the grana.
- b) Hydrogen is added to CO_2
- c) Occurs in the stroma.
- d) Water split into hydrogen and oxygen.

8 Name the scientists from the following contributions. 2

- a) Oxygen is formed as a result of photosynthesis.
- b) Source of oxygen evolved during photosynthesis is water.

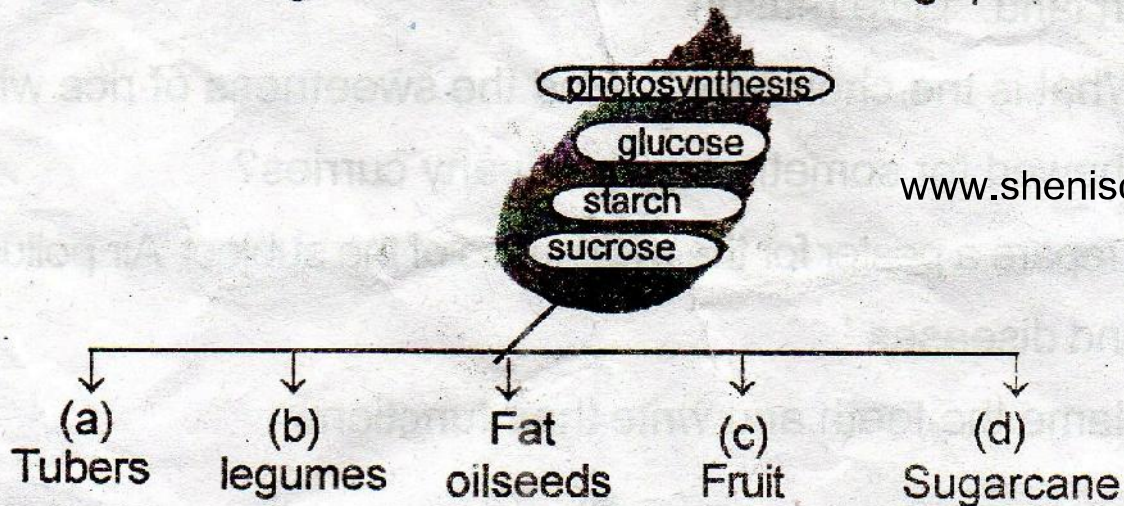
9 "Mouth is an important part of digestive system because it helps the mechanical and chemical digestion of food."

Evaluate the statement with the help of suitable reasons. 2

10 From the given figure and prepare a flowchart of food from mouth and at the end of rectum.



11 Analyse the figure and answer the following questions. 2



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A) Find out the nutrients and complete a, b, c, d.

B) "Plants prepare glucose by the process of photosynthesis"

a) Why it is temporarily stored in the form of starch in leaves? $\frac{1}{2}$

b) Starch is again converted into sucrose- Why? $\frac{1}{2}$