



INDIAN SCHOOL MUSCAT

SECOND PERIODIC TEST

BIOLOGY

CLASS: XI

Sub. Code: 044

Time Allotted: 50 mts

09.01.2019

Max. Marks: 20

GENERAL INSTRUCTIONS:

- All Questions are compulsory.
- Draw diagrams if necessary.

1. In the electron transport chain how many molecules of ATP are formed by oxidation of NADH and FADH_2 ? 1
2. What are the products of Fermentation in yeast and some anaerobic bacteria? 1
3. What is the hydrogen donor in photosynthesis of Purple and green sulphur bacteria? 1
4. In what way are the accessory pigments protecting chlorophyll a? 1
5. What is Respiratory Quotient? What is its significance? 2
6. Mention the molecules formed in steps of formation of two Pyruvic acid molecules from Glyceraldehyde 3 Phosphate. 2
7. State following two differences between C_3 and C_4 plants 2
 - (i) Site of C_3 cycle and
 - (ii) Enzymes that help
8. What is the difference between cyclic and Non-cyclic Photo-phosphorylation. 2
9. What is the law of limiting factors? Mention the factors affecting the rate of photosynthesis. 2
10. Explain the Calvin Cycle with a diagrammatic representation. 3
11. Explain the Citric Acid cycle. 3

End of the Question Paper