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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. Which part of the mitochondria is the Electron Transport system of aerobic organisms located? 1
2. Why is respiratory pathway termed as Amphibolic pathway? 1
3. During Photosynthesis which substrate is the hydrogen donor, and gets oxidized to O_2 ? 1
4. In which two regions of light spectrum, maximum absorption of Chlorophyll a take place? 1
5. What is Glycolysis? Where does it take place and what are the two monosaccharides that enter this pathway? 2
6. Give the equation of oxidative decarboxylation of Pyruvate after the glycolysis? 2
7. State following two differences, between C_3 and C_4 plants: 2
 - (i) First stable compound and
 - (ii) CO_2 acceptor.
8. What is Photorespiration? Why it does not occur in C_4 plants? 2
9. How does PS II get a supply of electrons continuously? Explain and write the equation. 2
10. Explain the C_4 pathway. 3
11. Explain the Citric Acid cycle. 3

End of the Question Paper