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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. How many molecules of NADH_2 and ATP are formed in the process of Glycolysis? 1
2. Where are the enzymes of the Krebs Cycle located? 1
3. What is the reaction centre of chlorophyll 'a' in PS I & PS II? 1
4. What is the characteristic feature of C_4 leaf anatomy? 1
5. What is Oxidative Phosphorylation? 2
6. What are the Molecules formed in steps of Krebs cycle after condensation of Acetyl CoA and Oxalo acetic Acid. 2
7. State following two differences between C_3 and C_4 plants. 2
 - (i) First stable compound and
 - (ii) Number of ATP required to form one glucose molecule
8. What are the four requirements of the chemiosmotic hypothesis? How does proton gradient support this pathway? 2
9. State the steps of electron transfer in Z scheme from PS II to PSI? 2
10. Diagrammatically explain the process of Glycolysis. 3
11. Explain the C_4 pathway. 3

End of the Question Paper