

**CHAPTER - 12: PLANT ANATOMY AND PLANT PHYSIOLOGY**

**2 Marks:**

1. Define tissue? Mention the types.
2. **What are the different types of tissue system?**
3. What are the functions of epidermal tissue system?
4. What is collateral and bicollateral vascular bundle?
5. **Difference between dicot root and monocot root.**
6. **What is Casparian strips?**
7. What is starch sheath?
8. What is Protoxylem lacunae?
9. What is Bundle sheath?
10. **Difference between Palisade and Spongy Parenchyma.**
11. What are bulliform cells?
12. **Define Photosynthesis (& equation).**
13. What are plastids? Mention the types.
14. What are photosynthetic pigments (photosystem)?
15. Define Calvin cycle.
16. What are cristae?
17. **What are oxysomes? Draw diagram.**
18. What is glycolysis?
19. **What are the differences between aerobic and anaerobic respiration?**
20. **What is Respiratory quotient?**

  
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**5 Marks:**

1. **Give an account of vascular tissue system.**
2. Internal structure of dicot root.
3. Internal structure of monocot root.
4. Internal structure of dicot stem.
5. Internal structure of monocot stem.
6. **Difference between dicot stem and monocot stem.**
7. **Describe the internal structure of Dicot leaf.**
8. **Describe the structure of chloroplast.**
9. **Describe the structure of Mitochondria.**
10. **Give an account of aerobic respiration.**

\* Questions in **Bold** are very important.