

CHAPTER- 9 – TISSUE AND TISSUE SYSTEM

I. Answer in brief (2/3 marks)

1. Define tissue.
2. What is quiescent centre?
3. What are aerenchyma?
4. Write any 3 differences between meristem and permanent tissue.
5. Write any 3 differences between fibres and sclereids.
6. Write any 3 differences between sieve cells and sieve tubes.
7. Draw and label stomata.
8. What are trichoblasts?
9. What are the functions of epidermal tissue system?
10. Draw and label bicollateral vascular bundles.
11. What are the differences between internal structure of dicot root and monocot root?
12. What is casparian thickening?
13. What are passage cells?
14. What is starch sheath?
15. Define the terms: exarch and endarch.
16. What are the differences between palisade parenchyma and spongy parenchyma?
17. What are bulliform cells?
18. What is Kranz Sheath?

II. Answer in a paragraph (5 marks)

1. What are meristems? explain the types.
2. Write a short note on the theories of meristems.
3. Give an account of parenchyma.
4. Give an account of collenchyma.
5. Give an account of sclerenchyma.
6. Write a short note on the economically important fibre.
7. Give an account of xylem.
8. Give an account of phloem.
9. Describe the vascular tissue system.
10. Describe the internal structure of dicot root.
11. Describe the internal structure of dicot leaf.
12. What are the differences between dicot stem and monocot stem?