



## SECTION-E

**Q9 Answer briefly :**

- (a) What is space time trade off?
- (b) What are various advantages of linked list over an array?
- (c) What are merits of priority queues?
- (d) Define LIFO and FIFO.
- (e) What is significance of recursion?
- (f) Differentiate tree and graph.
- (g) List various tree traversal techniques.
- (h) What are different types of trees?
- (i) Write average and worst case complexity of merge sort algorithm.
- (j) What are weighted and non weighted graphs?

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