

Part B

5 X 6=30

Answer the following

Answer should not exceed 400 words or two pages

11. a. Illustrate about primitive data structures.
(or)
11. b. Describe about Omega notation.
12. a. Explain about stack and its operations.
(or)
12. b. Write short notes on string processing.
13. a. Write the algorithm for traversing the binary tree.
(or)
13. b. Explain about the graph representation.
14. a. Explain about bubble sort with example.
(or)
14. b. What is search? Explain binary search with example.
15. a. Explain about sequential file organization.
(or)
15. b. Describe about hash functions.

Part C

5 x 12=60

Answer the following

Answer should not exceed 800 words or four pages

16. a. Explain about time and space comparisons.
(or)
16. b. Discuss about representation and operations of arrays.
17. a. Elucidate queue with algorithm.
(or)
17. b. How to convert postfix expression into infix expression? Explain with example.
18. a. Explain about graph traversals.
(or)
18. b. Elaborate the applications of graph.
19. a. Analyse about quick sort with example.
(or)
19. b. Explain about heap sort algorithm.
20. a. Discuss indexed sequential file in detail.
(or)
20. b. Summarize the file access methods with example.
