data-structure-ds-set-2 (mcqmate.com).pdf

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Data Structure (DS) MCQs [set-2]

26. The advantage of …………….. is that they solve the problem if sequential storage representation. But disadvantage in that is they are sequential lists.

A. lists

B. linked lists

C. trees

D. queues

Answer: B

27. What will be the value of top, if there is a size of stack STACK_SIZE is 5

A. 5

B. 6

C. 4

D. none

Answer: C

28. ………… is not the operation that can be performed on queue.

A. insertion

B. deletion

C. retrieval

D. traversal

Answer: D

29. There is an extra element at the head of the list called a ……….

A. antinel

B. sentinel

C. list header

D. list head

Answer: B

30. A graph is a collection of nodes, called ………. And line segments called arcs or ……….. that connect pair of nodes.

A. vertices, edges

B. edges, vertices

C. vertices, paths

D. graph node, edges

Answer: A

31. A ……….. is a graph that has weights of costs associated with its edges.

A. network

B. weighted graph

C. both a and b

D. none a and b

Answer: C

32. In general, the binary search method needs no more than …………….

comparisons.

A. [log2n]-1

B. [logn]+1

C. [log2n]

D. [log2n]+1

Answer: D

33. Which of the following is not the type of queue?

A. ordinary queue

B. single ended queue

C. circular queue

D. priority queue

Answer: B

34. The property of binary tree is

A. the first subset is called left subtree

B. the second subtree is called right subtree

C. the root cannot contain null

D. the right subtree can be empty

Answer: D

35. Any node is the path from the root to the node is called

A. successor node

B. ancestor node