

## Data Structure Questions & Answers Pdf

### Question: 1

Which of the following data structure is more appropriate to represent a heap?

- (A) Two-dimensional array
- (B) Doubly linked list
- (C) Linear Array
- (D) Linked list

Ans: C

Linear Array

### Question: 2

Minimum number of fields in each node of a doubly linked list is  
\_\_\_\_\_

- (A) 2
- (B) 3
- (C) 4
- (D) None of the above

Ans: B

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### Question: 3

A graph in which all vertices have equal degree is known as \_\_\_\_\_

- (A) Complete graph
- (B) Regular graph
- (C) Multi graph
- (D) Simple graph

Ans: A

Complete graph

### Question: 4

A vertex of in-degree zero in a directed graph is called a/an

- (A) Root vertex
- (B) Isolated vertex
- (C) Sink
- (D) Articulation point

Ans: C

Sink

### Question: 5

A graph is a tree if and only if graph is

- (A) Directed graph

(B) Contains no cycles

(C) Planar

(D) Completely connected

Ans: B

Contains no cycles