(i) Printed Pages : 2

Roll No.

(ii) Questions :9

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B.A./B.Sc. (General) 4th Semester 1048

COMPUTER APPLICATIONS Paper-CA-07 : Data Structure

Time Allowed : Three Hours]

[Maximum Marks: 30

- Note :-- (1) Attempt one question each from Sections A, B, C and D. Section E is compulsory.
 - (2) All questions carry equal marks.

SECTION-A

- 1. Define data structure along with its basic operations.
- 2. Explain the various operations performed on Arrays.

SECTION-B

- What is linked list? Draw difference between simple linked list and header linked list.
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- 4. Explain different operations performed on stacks.

SECTION-C

- 5. What is Binary Tree ? Explain various operations on it.
- 6. Draw the difference between Queues and Trees.

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SECTION-D

- 7. Compare two searching techniques in detail.
- What do you mean by sequential and linked representation of graph ?

SECTION-E

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- 9. Explain the following terms :
 - (a) Big O notation
 - (b) Searching and sorting
 - (c) Doubly linked list.

3×2=6

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