



DH-003-003201

Seat No. _____

B. C. A. (Sem. II) Examination

March - 2022

Advance C and Data Structure : CS-07

Faculty Code : 003

Subject Code : 003201

Time : **2.30** Hours]

[Total Marks : **70**

- Instructions :** (1) All questions carry equal marks.
(2) Attempt any five of the following questions.

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| 1 | Write a note on. | 14 |
| | (A) Pointer arithmetic | |
| | (B) Dynamic carry | |
| 2 | Explain recursion with suitable example. | 14 |
| 3 | Explain with example. | 14 |
| | (A) Bubble sort. | |
| | (B) Linear search. | |
| 4 | Explain merge sort with example. | 14 |
| 5 | Explain bellow file function with example. | 14 |
| | (A) Fwrite() | |
| | (B) Fseek() | |

- 6** Write a note on. **14**
(A) Primitive data structure.
(B) Array storage structure.
- 7** What is stack ? Write push () and pop () operation **14**
on stack.
- 8** What is queue ? Explain with example. **14**
- 9** Write a program singly circular link list which perform **14**
insert _before(), Insert_after(), insert_beginning(), Delete()
and Display().
- 10** What is binary tree ? Write program to insert node in **14**
binary tree and print node in post order traverse.
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