

BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2018 COURSE)
B.C.A. Sem-II :SUMMER- 2022
SUBJECT : C PROGRAMMING-II

Day : Friday
Date : 10/6/2022

S-18761-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 60

N.B.

- 1) Q. No. 4 is **COMPULSORY**.
 - 2) Answers any **TWO** questions from Q. No. 1, 2, 3 from Section – I.
 - 3) Answers any **TWO** questions from Q. No. 5, 6, 7 from Section – II.
 - 4) Figure to the right indicate **FULL** marks
 - 5) Answers to both sections should be written in **SAME** answer book.
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SECTION - I

- Q.1** What is two – dimensional array? Explain its syntax and memory (12)
representation with relevant example.
- Q.2** What is linked list? Explain various operations performed on linked list. (12)
- Q.3** What is meant by stack? State its applications and operations in detail. (12)
- Q.4** Write short notes on any **THREE** of the following: (12)
- a) Abstract Data Type
 - b) Bubble sort technique
 - c) Array operations
 - d) Binary tree

SECTION - II

- Q.5** What is a file? Explain different modes of a file. Write a C program to read (12)
data from the keyboard and write it to a file.
- Q.6** What is searching? Implement binary search technique using C code. (12)
- Q.7** a) Define queue. Write a C program to implement enqueue and dequeue operation (06)
on queue
- b) Define tree. Describe breadth first traversal technique of tree. (06)

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