

BACHELOR OF SCIENCE (COMPUTER SCIENCE) (CBCS - 2018 COURSE)
F.Y.B.Sc.(Computer Science) Sem-II :SUMMER- 2022
SUBJECT : PROGRAMMING IN C-II

Day : Monday
Date : 4/7/2022

S-20079-2022

Time : 11:00 AM-02:00 PM
Max. Marks : 60

N. B.

- 1) All Questions are **COMPULSORY**
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw diagrams **WHEREVER** necessary.
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- Q.1** Answer any **TWO** of the following: (12)
- a) What is Structure? Give syntax and example.
 - b) Write a C Program to check whether the given character string is palindrome.
 - c) What is File? Explain various operations performed on file.
- Q.2** Answer any **TWO** of the following: (12)
- a) Write a C program for finding multiplication of two matrices.
 - b) Write a C program to accept and display five employee information (emp_id, ename, sal)
 - c) Differentiate between static and dynamic memory allocation methods.
- Q.3** Answer any **TWO** of the following: (12)
- a) Write a C program to create a text file storing text character by character.
 - b) Explain the concept of call by value and call by reference with suitable example.
 - c) What is Array? State its features.
- Q.4** Answer any **THREE** of the following: (12)
- a) Write a note on standard string functions.
 - b) What is nested Structure? Explain with example.
 - c) What is malloc() and calloc() ? State their purpose.
 - d) Explain the concept of array of structure with example.
- Q.5** Answer any **FOUR** of the following: (12)
- a) Explain fgets () and fputs() with syntax and example.
 - b) What is Union? Give syntax and example.
 - c) Explain pointer to structure with example.
 - d) What is FEOF()?
 - e) Write a C program to find average of n numbers using 1-D array.
 - f) Differentiate between Structure and Union.

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