

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086
(For candidates admitted from the academic year 2023 – 2024)

B.C.A DEGREE EXAMINATION, APRIL 2024
SECOND SEMESTER

COURSE : MAJOR CORE
PAPER : PROCEDURE ORIENTED PROGRAMMING
SUBJECT CODE : 23CS/MC/PO24
TIME : 1 ½ HOURS **MAX. MARKS: 50**

Q. No.	SECTION A Objective Type Questions	(10 x 1=10)	CO	KL
1.	Array is an example of _____. (a) Derived types (b) fundamental types (c) user-defined types (d) None		CO1	K1
2.	_____ function is said to be function calling itself. (a) Call by reference (b) Call by value (c) Recursive (d) All above		CO1	K1
3.	Union can store _____ number of values at a time. (a) All its members (b) Only 1 (c) 2 (d) Cannot hold value		CO1	K1
4.	The size of structure and union is same when they contain _____ (a) Single member (b) any number of members (c) Arrays of different types (d) Pointers to different types		CO1	K1
5.	_____ utility is commonly used to manage the compilation and linking process in large programs. a) Compiler (b) Debugger c) Make utility (d) Interpreter		CO1	K1
6.	_____ storage class is commonly used to define global variables accessible across multiple files. (a) auto (b) static (c) register (d) extern		CO1	K1
7.	If the function fopen() fails, it returns _____. (a) -1 (b) 1 (c) NULL (d) Address		CO2	K2
8.	The function used for writing a character to a file is _____. (a) putc() (b) fputs() (c) fputc() (d) putw()		CO2	K2
9.	_____ is the purpose of pre-processing in C programming. (a) Optimizing code execution (b) Translating source code into machine code (c) Resolving symbolic names before compilation (d) Debugging runtime errors		CO2	K2
10.	_____ directive is used for file inclusion in C pre-processing. (a) #include (b) #define (c) #ifdef (d) #pragma		CO2	K2

Q. No.	SECTION B Answer all the questions	(5 x 2=10)	CO	KL
11.	How do you declare an integer pointer in C?		CO1	K1
12.	Differentiate between pointers and multi-dimensional arrays in C.		CO1	K1
13.	List the usage of member operator in C.		CO2	K2
14.	What are command line arguments?		CO2	K2
15.	What is pre-processing?		CO2	K2
Q. No.	SECTION C Answer all the questions	(6 x 5=30)	CO	KL
16.	a) Name any two library functions for handling string. Give examples. (OR) b) What is the need for functions? Explain.		CO1	K1
17.	a) Summarize the fundamental concepts covered in the study of Structures and Unions in C. (OR) b) Explain the concept of bit-fields in C.		CO2	K2
18.	a) Identify some key issues in developing a large program. (OR) b) Describe the structure of a Makefile and its components.		CO3	K3
19.	a) Categorize the main operations involved in File I/O? (OR) b) Construct the steps in writing to a file in C.		CO3	K3
20.	a) List some common pre-processing techniques used in software development. Explain. (OR) b) Elaborate on nested macros and its significance.		CO4	K4
21.	a) Analyse the header files in 'C' language. (OR) b))Analyze and write a C program to read and display student details using structures.		CO4	K4
