

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 86
(For candidates admitted from the academic year 2023 – 2024)

B.C.A DEGREE EXAMINATION, NOVEMBER 2023
FIRST SEMESTER

COURSE : MAJOR CORE
PAPER : FUNDAMENTALS OF COMPUTING
SUBJECT CODE : 23CS/MC/FC13
TIME : 1 ½ HOURS **MAX. MARKS: 50**

Q. No.	SECTION A (10 x 1=10) Objective Type Questions	CO	KL
1.	_____ is the act of defining, determining the cause of the problem and implementing a solution.	CO1	K1
2.	_____ removes the named file, so that a subsequent attempt to open it will fail. a) remove(const *filename) b) remove(filename) c) remove() d) fclose (filename)	CO1	K1
3.	_____ reports to its users the presence of errors in source program a)Assembler b)Interpreter c)Compiler d)None of the mentioned	CO1	K1
4.	_____ can be returned by the operator &. a)Float b)Integer c)Integer or Boolean d)Char	CO1	K1
5.	_____ is a debugger for C. a) GDB b) Tokens c) Literals d) Variables	CO1	K1
6.	_____ GDB command prints the value of a variable in hex. a) print/x b) print/h c) print/e d) none of the mentioned	CO1	K1
7.	_____ is a collection of similar type into larger group of elements. a)Double b)Loops c)Array d) Data type	CO2	K2
8.	_____ is a pictorial representation of steps of a process in sequential order. a)Pseudocode b)Algorithm c)Flow Chart d)All of the mentioned	CO2	K2
9.	enum types are processed by _____	CO2	K2
10.	Which of the following cannot be a variable name in C? a) volatile b) area c) mega d) number	CO2	K2
Q. No.	SECTION B (5 x 2=10) Answer all the questions	CO	KL
11.	List the various File Attributes.	CO1	K1
12.	What are Tokens in C?	CO1	K1
13.	What is the purpose of the GDB continue command?	CO2	K2
14.	Write the use of Break and Continue statement.	CO2	K2
15.	List the types of function call in C.	CO2	K2

Q. No.	SECTION C Answer all the questions (6 x 5=30)	CO	KL
16.	a) Explain the creation and Manipulation of Files. (OR) b) Explain the working of GUI based Text Editor.	CO1	K1
17.	a) Illustrate the Basic Structure of a C program. (OR) b) List and Explain the Bitwise operators.	CO2	K2
18.	a) Explain the function of gdb with example. (OR) b) Discuss about inspecting variables and its type.	CO3	K3
19.	a) Explain the Adding Debugging symbols to the executable with example. (OR) b) Identify and Explain the gdb command abbreviations.	CO3	K3
20.	a) Write about the loop control statements in C in detail. (OR) b) Explain the use of Single and Two Dimensional array with example.	CO4	K4
21.	a) Examine how to pass arguments to C with suitable example. (OR) b) Analyze the importance of built in functions in C.	CO4	K4
