

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2024 ONLY)

24UBC101

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS : NOVEMBER-2024

COURSE NAME: B.C.A

MAXIMUM MARKS: 75

SEMESTER: I

TIME : 3 HOURS

PART - III
PROGRAMMING IN C

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. Who is the father of C language?
a) Steve Jobs b) James Gosling c) Dennis Ritchie d) Rasmus Lerdorf
2. _____ is used to repeatedly execute a block of code in C.
a) for loop b) if statement c) goto d) while loop
3. Functions in C Language are always _____
a) Internal b) External c) Both (a) & (b) d) none of these
4. What is a keyword used to define a structure in C?
a) struct b) class c) object d) record
5. Which function is used to open a file in C?
a) fopen() b) open() c) writefile() d) createfile()

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. Define Variable.
7. List the loop statements in C.
8. What is an array?
9. Define and declare a pointer variable in C.
10. Write down the file handling functions.

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.

(K3)

11. a) Evaluate the basic structure of C program.
(OR)
b) Write a short note on C tokens.
12. a) Explain the formatted input.
(OR)
b) Discuss the Goto statements in C.
13. a) How to declare Multi-dimensional arrays? Explain.
(OR)
b) What is function? Why is it needed?

(CONTD.....2)

(2)

14.a) Write down the advantages of declaring the void pointer.

(OR)

b) Summarize some applications of array of pointers.

15.a) Explain the Closing a File.

(OR)

b) Compute Error Handling during I/O Operations.

SECTION – C

(5 X 8 = 40 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.

(K4 (Or) K5)

16. a) Discuss all the data types in C.

(OR)

b) Explain the operators in C.

17.a) Criticize the Decision Making and Branching in C.

(OR)

b) Write a C program to explain the concept of do while loop.

18. a) Demonstrate the most commonly used string handling functions.

(OR)

b) Explain the Call by value in a Function.

19.a) Compare and contrast between structures and unions.

(OR)

b) How to access a variable through its pointer? Explain.

20. a) Determine the Input Output Operation on Files.

(OR)

b) Explain in detail Random Access Files.
