

Seat	
No.	

Total No of Pages:

Kamala College, Kolhapur

(Autonomous)

B.C.A. (Part-I) (Semester-I)

Examination November, 2023.

Introduction to Programming using C

Subject Code: CC - 302



Day and Date: Thursday 02/11/2023

Total Marks: 80

Time: 08.00 a.m. to 11.00 a.m.

Instructions:

1. Que.1 and Que. 8 are compulsory and attempt any three Questions from Que. No. 2 to Que. No. 7
2. Figures to the right indicate marks.

Q 1) Multiple Choice Questions.

[12]

- 1) The keyword 'break' cannot be simply used within _____
a) do-while b) if-else c) for d) while
- 2) You can access elements of an array by _____.
a) Values b) indices c) memory addresses d) All of the above
- 3) The C-preprocessors are specified with _____ symbol.
a) # b) \$ c) " " d) &
- 4) What is meant by 'a' in the following C operation?
fp = fopen("Random.txt", "a");
a) Attach b) Append c) Apprehend d) Add
- 5) Which of the following is the collection of different data types?
a) Structure b) string c) array d) All of the above
- 6) The size of a union is _____.
a) Sum of sizes of all members b) Predefined by the compiler
c) Equal to size of largest data type d) None of these

- 7) Array is a _____ data structure.
a) Non-linear b) Primary c) Linear d) Data type
- 8) Which of the following function is used to write the integer in a file?
a) getw() b) putw() c) int value d) f_int()
- 9) Which symbol is used to declare a pointer?
a) * b) # c) & d) &&
- 10) Decision making in the C programming language is ____.
a) Repeating the same statement multiple times
b) Executing a set of statements based on some condition
c) Providing a name of the block of code
d) All of these
- 11) Which function is used to read a line of text including spaces from the user in C?
a) scanf() b) getc() c) fgets() d) All of the above
- 12) You can access elements of an array by ____.
a) Values b) indices c) memory addresses d) All of the above

Q2) What is array ? Explain in brief One dimensional Array with Example ? [16]

Q3) a) Explain in brief Structure with Example ? [8]

Difference Between Structure and Union.

b) Write a C program to accept a number and check given [8]

number is Palindrome or Not ?

Q4) a) Explain in brief pointer with Example. [8]

b) Explain Function in C programming with Example? [8]

Write a function which calculate square of given number (with arguments no return value) ?

Q5) a) Explain different datatypes in C language. [8]

b) Explain call by value & call by reference in brief. [8]

Q6) a) Explain in brief pointer with Example . [8]

b) What is flowchart? Flowchart to accept a number and given no is odd and even number. [8]

Q7) Explain Iteration Statements with example in C language.
(Looping Statements)

[16]

Q 8) Write short notes on. (Any Four out of Six)

[20]

- 1) file functions fopen() & fclose()
- 2) String functions in C
- 3) malloc() & calloc()
- 4) switch statement
- 5) Operators in C
- 6) difference between while and do-while loop


