

Seat No.	
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Total No of Pages: 3

Kamala College, Kolhapur

(Autonomous)

B.A. (Part-I) (Semester-II) (CBCS)

Examination March/April, held in May, 2023.

CC - 302: Introduction to Programming using C

Day and Date: Tuesday 30/05/2023

Total Marks: 80

Time: 11.30 a.m. to 02.30 p.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) All keywords in C are in _____
 - a) LowerCase letters
 - b) UpperCase letters
 - c) CamelCase letters
 - d) None of the mentioned
- 2) What is an example of iteration in C?
 - a) for
 - b) while
 - c) do-while
 - d) all of the mentioned
- 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) The keyword 'break' cannot be simply used within _____
- do-while
 - if-else
 - for
 - while
- 6) What will the result of len variable after execution of the following statements?
- ```
int len;
char str1[] = {"39 march road"};
len = strlen(str1);
```
- 11
  - 12
  - 13
  - 14
- 7) Array is a \_\_\_\_\_ data structure.
- Non-linear
  - Primary
  - Linear
  - Data type
- 8) Which of the following function is used to write the integer in a file?
- getw()
  - putw()
  - int value
  - f\_int()
- 9) Which symbol is used to declare a pointer?
- \*
  - #
  - &
  - &&
- 10) Decision making in the C programming language is \_\_\_\_.
- Repeating the same statement multiple times
  - Executing a set of statements based on some condition
  - Providing a name of the block of code
  - All of these
- 11) Which function is used to read a line of text including spaces from the user in C?
- scanf()
  - getc()
  - fgets()
  - 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 number is Armstrong or Not ? [8]
- Q4) a) Explain in brief pointer with Example . [8]  
b) Explain Function in C programming with Example? [8]  
Write a function which calculate cube of given number (with arguments no return value) ?
- Q5) a) Explain different datatypes in C language. [8]  
b) Write difference between algorithm and flowchart. [8]
- Q6) Write a c program to enter matrix elements in two dimensional array and display addition of two matrices. [16]
- Q7) Explain Iteration Statements with example in C language. [16]  
(Looping Statements)
- Q 8) Write short notes on. (Any Four out of Six) [20]
- 1) file functions fopen( ) & fclose( )
  - 2) datatypes in C
  - 3) malloc( ) & calloc( )
  - 4) Call by Value in C
  - 5) Operators in C
  - 6) Pre-processor directive

