



K22U 3394

Reg. No. :

Name :

I Semester B.C.A. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/
Improvement) Examination, November 2022
(2019 Admission Onwards)
Core Course
1B01BCA : PROGRAMMING IN C

Time : 3 Hours

Max. Marks : 40

PART – A : Short Answer

Answer all questions :

(6×1=6)

1. What is referencing and de-referencing operators in C ?
2. What are the different opening modes for a file ?
3. What is the use of argc and argv in C ?
4. List bitwise operators used in C.
5. What is dot operator in C ?
6. List any two functions used in dynamic memory allocation in C.

PART – B : Short Essay

Answer any 6 questions :

(6×2=12)

7. How do you access elements from a 2 D array ?
8. Write an algorithm to find the factorial of a given number.
9. What are functions ? Illustrate the different ways for parameter passing to a function using examples.
10. What are pointers ? Illustrate with examples.
11. List any four formatted I/O functions in C.

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12. What is the use of command line arguments in C ?
13. Explain file handling in C with examples.
14. Illustrate realloc() using examples.

PART – C : Essay

Answer any 4 questions :

(4×3=12)

15. Compare and contrast else if ladder with switch case statement.
16. Write a program to copy one string to another using user defined functions.
17. C is one of the most popular languages used even today. Justify.
18. Is it possible to pass array elements as function arguments ? Justify your answer with suitable example.
19. Explain the significance of unconditional selection statements.
20. Explain the error handling function for files in C with examples.

PART – D : Long Essay

Answer any 2 questions :

(2×5=10)

21. What are tokens in C program ? Why are they significant ? Explain the classification of tokens with example.
 22. Write a program in C to display the (a) Armstrong number between given 2 numbers (b) Fibonacci series.
 23. Describe the string handling functions in C, with program snippets and sample output.
 24. What are the various control statements in C ? Explain with program snippets.
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