

2023/FYUG/ODD/SEM/ CSCSEC-101T/071

declarations

9. What is 1D v

FYUG Odd Semester Exam., 2023 (Held in 2024)

COMPUTER SCIENCE

(1st Semester)

Course No. : CSCSEC-101T

(Programming with C) a body

Full Marks: 50
Pass Marks: 20

Time: 2 hours

The figures in the margin indicate full marks for the questions

SECTION-A stable a tanw SI

Answer fifteen questions, selecting any three from each Unit: 1×15=15

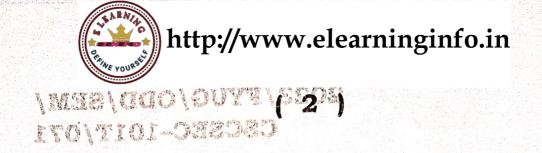
13. What is sinctured. El

- 1. What is data type in C?
- 2. Define character constant.
- 3. What is token in C?
- 4. What are logical operators?

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(Turn Over)

15. What is 'typedef'



TYUG Odd Schefinu Exam, 2023

- (Reld in 2024 What is function in C?
- What do you mean by function prototype declaration? (reference as I)
- What is pointer? ON Samo
- 8. What is header file in C?

UNIT—III

- **9.** What is 1D array?
- 10. Define 2D array.
- 11. What is command line argument?
- 12. What is address of operator?

Answer lifteen questions, selecting any three from UNIT--IV 1×15=15

- 13. What is structure?
- 14. What is structure variable?
- 2. Define character constant. 15. What is 'typedef'?
- 16. What is the purpose of dot (·) operator?

3. What is token in CP

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(3)

Unit-V

- 17. What do you mean by formatted input/output statement?
- 18. Write down the purpose of fopen() function.
- 19. What is macro in C language?
- 20. What is 'enum'?

SECTION-B

Answer five questions, selecting one from each Unit: 2×5=10

29. What are the per I-TINU a see in using a

- 21. What is the difference between break statement and exit()?
- 22. What do you mean by infinite loop? Give example.

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- 23. What is function call? Explain with example.
- 24. Write down the difference between actual argument and formal argument.

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UNIT-III

- 25. How are 2D arrays declared and initialized?
- 26. What do you mean by pointer-to-pointer?

 Give example.

UNIT-IV

- 27. Write down the difference between structure and union.
- 28. What do you mean by self-referential structure? Give example.

UNIT-V

- 29. What are the primary advantages in using a data file?
- 30. What are the similarities and differences between macro and function?

SECTION-C

Answer five questions, selecting one from each Unit: $5\times5=25$

JAINU and with example.

31. Explain the different looping structures used in C language.

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(Continued)

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32. Write a C program to generate Fibonacci sequence.

UNIT-II

- 33. What is recursion? Write a C program to calculate factorial n using recursion. 1+4=5
- 34. Explain different storage class specifiers used in C language.

UNIT-III

40. Write a program to take the contents of a file

- **35.** Write a C program to find the minimum and maximum of an *n*-element array.
- **36.** Write short notes on the following: $2\frac{1}{2}+2\frac{1}{2}=5$
 - (a) Call by value
 - (b) Call by reference

UNIT-IV

- **37.** Write a C program using structure to input information (Name, Roll Number, Department and Semester) about *n* numbers of students and to display them.
- **38.** How can we pass structures to a function? Explain with suitable example.

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Write a C prograMn-TINU enerate Fibonacci

II-TIMU

Explain different storage class

- 39. Explain the following file opening modes:
 - (i) 'w'
 - (ii) "a recursion? Write a C program (ii) a calculate factorial n using recursion
 - (iii) 'r+'
 - (iv) 'w+'
 - (v) 'a+'
- **40.** Write a program to take the contents of a file and copy them into another file, character-by-character.





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information (Vame, Roll Number, Dengrenent)