

### 2023/FYUG/ODD/SEM/ CADSM-101T/153

# FYUG Odd Semester Exam., 2023 ( Held in 2024 ) What do you mean by function prototype?

### COMPUTER APPLICATION OF THE PROPERTY OF THE PR

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Course No.: CADSM-101T

( Programming with C)

Full Marks: 70
Pass Marks: 28

Time: 3 hours

The figures in the margin indicate full marks for the questions

### SECTION—A -and no saliable and ob you initialize an one-

Answer ten questions, selecting any two from each
Unit: 2×10=20

### UNIT—I

1. What is variable? How do you declare a variable in C?

11. Explain self-referential structure

- 2. Explain if else statement with a flowchart.
- 3. State the differences between i++ and ++i.

(Turn Over)

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pointers

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### CROS AND UNIT II

- i Held in 2024) 4. What do you mean by function prototype? Give example. MIGGA AHTUUMO
- 5. Write down the benefits of using function.
- 6. What are actual arguments and formal arguments? Give example.

#### OV UNIT\_III Pass Marks: 28

- 7. What is pointer? How do you declare a pointer variable?
- Explain with an example pointers to pointers.

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9. Define array. How do you initialize an onedimensional array? selection of lewent  $OC = 0.1 \times C$ 

- 10. Define user-defined data type with example.
- Explain self-referential structure.
- 2. Typical delegation tropical selection of the weight What are the differences between array and 12. structure?

(Continued)

variable in CP

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### (3)

## Consider it could be UNIT V TROUT PROBLEM OF THE PROPERTY OF T

- 13. Define C processor.
- 14. What do you mean by formatted output? Give example.
- 15. Write the importance of file programming.

#### SECTION-B

Answer five questions, selecting one from each Unit:

### UNIT-I TO BE TREET

- 16. (a) Discuss the structure of a C program. 5
  - (b) With a code segment differentiate while loop' and 'do-while loop'.
- 17. What do you mean by operator? Discuss the various types of operators available in C.

2+8=10

### II. TINU calculate the sum

- 18. Define storage classes in C. Discuss the following storage classes: 2+8=10
  - (a) Automatic
  - (b) External
  - (c) Static
    - (d) Register and subject to amende

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(Turn Over)



### (4)

19.	Also	does recursion differ from iteration? write the coding for 'calculation of orial of an integer number'—					
	(a)	using iteration;					
	(b)	using recursion. 2+4+4=10					
		UnitIII					
20.	(a)	Write a C program to find the smallest and largest of <i>n</i> numbers.					
	(b)	What is string? Write the purpose of null string in C. 1+2=3					
	(c)	How do you declare 2D array?					
21.	(a)	If $a = 3$ and its address is 1000, then what are the values of $(\& a)$ and $*(\& a)$ ?					
01+8	(b)	What do you mean by command line argument? Give an example.					
G1	(c) od : :	Write a C program to calculate the sum and average of <i>n</i> numbers using their pointers.					
		Unit—IV (2) Exercise (3)					
22.	(a)	With a program, show the process of					

passing a structure to a function.

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(Continued)



### (5)

		그러지 그 아이들에는 그래픽에서 하셨다. 이루어리고 되었다.					
9	(b)	Define the following in connection with structure:					
		(i) What is library function? (gat: (i) an					
		(ii) member					
		(iii) dot (·) operator					
		(iv) struct keyword					
23.	(a)	Define a structure namely student with the following fields:					
		(i) Student name					
		(ii) Roll number					
		(iii) Address					
		(iv) Phone number					
		Read at least 10 students details and then display these on the output screen.					
	(b)	What is union? Write the properties of union. 1+2=3					
		UNIT-V					

- 24. (a) Write a C program to copy the contents of one file into another.
- (b) What is macro? How does it differ from a 1+3=4

(Turn Over)



(6)

25. (a)	Disc	uss the	various	functions	available
D=[+[+]				។ <b>ខុស្</b> ខុខបង្គប់ប្រ	

(b) What is library function? Give example. 2

a member

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(iv) struct keyword

23. A Define a structure namely student with the die following fields:

(i) Student name



### http://www.elearninginfo.in

Read at least 10 students details and then display these on the output screen.

(b) What is union? Write the properties of

#### V-TINU

24. (c) Write a C program to copy the contents of one file into another.

(b) What is macro? How does it differ from a l+3 = 4

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