

F-6228

Sub. Code

7BSOA3

U.G. DEGREE EXAMINATION, NOVEMBER 2021

Software

Allied : C PROGRAMMING

(CBCS – 2017 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write the rules for naming variable.
2. Invent the difference between ++a and a++.
3. Give the syntax of do...while statement.
4. Comment on boolean values.
5. What are two dimensional arrays?
6. Define Global variable.
7. Write the uses of pointer.
8. What is address operator?
9. What is the general form to open a file?
10. Give a note on typedef.

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Write down the syntax of Scanf() and Printf() functions.

Or

- (b) Explain Ternary Operator with example.

12. (a) Explain if..else statement with example.

Or

- (b) Give short notes on looping statements.

13. (a) Write a program to find the sum and average of given 'N' numbers using array.

Or

- (b) Write a note on user defined functions.

14. (a) How to use a pointer to point an array?

Or

- (b) Write a note on size of operator with a program.

15. (a) How to pass input values in to a file?

Or

- (b) Write short notes on register and external variables.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain the basic structure of C program? Give suitable example.
17. Write a program to ask the user to input 10 numbers and print maximum and minimum numbers in the set.

18. Explain the two types of function call.
- (a) Call by value (5)
 - (b) Call by reference (5)
19. Elaborate the structure data type with suitable example.
20. Describe C preprocessor in detail.
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