

F-6218

Sub. Code

7BCEA3

U.G. DEGREE EXAMINATION, NOVEMBER 2021

Computer Science

Allied : PROGRAMMING IN C

(CBCS – 2017 onwards)

Time : 3 Hours

Maximum : 60 Marks

Part A

(10 × 1.5 = 15)

Answer **all** questions.

1. Define the term variable and constant.
2. What is an expression in C language?
3. What is the use of gets() function?
4. Specify the syntax used for 'for' statement.
5. How to declare a multidimensional array?
6. What is a string?
7. What is the difference between formal and actual parameters?
8. Define structure.
9. What is a pointer to function?
10. Write the purpose of sprintf() function.

Part B

(5 × 3 = 15)

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

11. (a) Write a program to find the area of circle and give the sample output for it.

Or

- (b) Write a short note on relational operators with example.
12. (a) Discuss briefly about the else if ladder with an example program.

Or

- (b) Give a note on break and continue.
13. (a) Write a program to find the sum and average of n given numbers.

Or

- (b) How will you calculate the length and reverse of a string?
14. (a) Briefly explain the scope visibility and life time of variables.

Or

- (b) How data elements are stored under union? Give example.
15. (a) Define pointer. How to declare and initialize it?

Or

- (b) Write the syntax for opening a file with various modes and closing a file.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Write a detailed note on data types with example.
 17. Explain about switch statement. Write a program to perform arithmetic operations using switch.
 18. Write a C program to multiply two matrices of different order.
 19. Discuss about the different categories of functions.
 20. Explain about file handling functions.
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