QP CODE: 21103156

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Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, DECEMBER 2021

Second Semester

B.Sc Physics Model II Computer Applications

Vocational Course - CA2VOT04 - PROGRAMMING IN ANSI C

2017 ADMISSION ONWARDS

AF75483A

Time: 3 Hours Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. What do you mean by debugging?
2. Define an identifier with an example.
3. Define String and character constants.
4. Explain how X++ differ from ++X?
5. Write a C program to find sum and average of n numbers using for loop?
6. In what ways switch statement differ from if statement?
7. What are the conditions that must be satistified by all elements of any given array?
8. What do you mean by stdio.h?
9. What are the uses of return() statement?
10. Explain different formats of return statement.
11. Write the syntax of a recursive function call.
12. Which are the methods to pass arguments to a function?

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Draw a flowchart to display fibonacci series of given number.

14. Describe the structure of C program.

15. What do you mean by type conversion? Why is it necessary?

16. Explain while loop and nested while loop with an example.

17. Program to calculate sum of 10 numbers Negative numbers are skipped from calculation using continue statement

18. Write short notes on scope of variables with an example.

19. Write short notes on strrev() and strlen() functions.

20. Write a function to find the sum of the individual digits of a given number. Also write the program using actual and formal arguments.

21. Write a program to find area and circumference of circle using function.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Briefly explain formated and unformatted input output functions.

23. Briefly explain different looping statements.

24. Write a program to sort array elements, then find biggest and smallest from the given array elements.

25. Briefly explain the elements of function.

(2×10=20)