QP CODE: 24019236

24019236

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS, MAY 2024

Second Semester

B.Sc Physics Model II Computer Applications

Vocational Course - CA2VOT04 - PROGRAMMING IN ANSI C

2017 ADMISSION ONWARDS

6BD50AE9

Time: 3 Hours Max. Marks : 60

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Part A

*Answer any **ten** questions.*

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

1. Define C Character set.
2. What is the purpose of type declaration of variable?
3. Write a C program to find sum and average of 3 numbers.
4. Discuss the difference between assignment and equality.
5. Write a c program to find sum and average of n numbers using for loop.
6. Define local variable.
7. Write a c program to read n elements into the array and find sum and average.
8. How to declare a string?
9. Develop a function to find factorieal of a given number.
10. Why is it possible to use same variable names for actual arguments and formal arguments?
11. What does it means if there is no return statement in the C function?
12. Define recursion.

(10×1=10)

Part B

*Answer any **six** questions.*

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

13. What are the basic concepts of programming.
14. Write an algorithm to find the largest among 3 numbers.

15. Write shot note on keywords and identifers.

16. Write a program to relate whether the given3 numbers are equal or largest or smallest.

17. Write a c program to find a) smallest of 2 numbers, b) smallest of 3 numbers using switch case.

18. Explain do - while loop and nested do - while loop with an example.

19. Write short notes on conio.h header file.

20. Explain the various elements of a function with examples.

21. Write a c program to find sum and average of 10 array integers using function.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain briefly type modifiers / qualifiers used for built in data type.

23. Briefly explain goto , continue and break statements with example.

24. Briefly explain how to declare and initialize a mutli dimensional array with an example.

25. Explain call by value and call by refernce with suitable example.

(2×10=20)