

BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY

QUESTION BANK

Unit Test-I

Program: - Computer Engineering Group

Program Code : CM/IF

Course Title: Programming in c (PIC

Semester: - II

Course Abbr & Code:-PIC (312303)

Scheme: K

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CHAPTER-1 Basics of C Programming (48 Marks) (CO1)

2 Marks

1. Write advantages of algorithm.
2. Explain the term algorithm.
3. Explain the term flowchart.
4. What is keyword? List any four keywords of 'c' ?
5. Define variable and constant with syntax and example.
6. Define term:

-Token

-Operator

-Identifier

-Data type with storage size.

4 Marks

7. Explain all flow chart symbols.
8. Write algorithm and flow chart to find area of circle/rectangle.
9. Explain algorithm analysis.
10. Explain arithmetic and logical operator.
11. Explain increment/decrement operator with example.

12. Explain formatted i/o and o/p statement with example.
13. Explain conditional operator with example.
14. Explain declaration and initialization of variable with example.
15. Explain relational operators supported by 'c'. Write c program illustrating its use.

CHAPTER-2 Control Structures(34 Marks) (CO2)

2 Marks

16. What is decision making and branching?

17. What is looping?

18. Write syntax of :

-while loop.

-do-while loop.

4 Marks

19. Write a program to add two integer numbers.

20. Write a program to find whether the number is even or odd.

21. Write a program to find whether the number is positive or negative.

22. Write the syntax for nested if-else statement.

23. Write the syntax for switch statement.

24. Write a program which will print largest of three numbers.

25. Differentiate between if and switch statement

CHAPTER-3 Array and Structure.(14 Marks)(CO3)

2 Marks

26. How to declare and initialize one dimensional array?

27. What is character array?

28. What is two dimensional array? How is it declared and initialized?

4 Marks

29. Write a program for addition of two 3x3 matrices.

30. Write a program to accept ten numbers in an array. Sort array elements and display it.