

Unit Test-I

Semester- 2

Program: **Computer Engineering Group**

Course: **Programming in C (PIC-312303)**

K-Scheme Question Bank



CHAPTER-1 Basics of C Programming

(48 Marks) (CO1)

2 Marks

1. Write advantages of algorithms.
2. Explain the term algorithm.
3. Explain the term flowchart.
4. What is the keyword? List any four keywords of 'c' ?
5. Define variables and constants with syntax and examples.
6. Define term:
 - Token
 - Operator
 - Identifier
 - Data type with storage size.

4 Marks

7. Explain all flowchart symbols.
8. Write an algorithm and flowchart to find the area of the circle/rectangle.
9. Explain algorithm analysis.
- 10 .Explain arithmetic and logical operators.
- 11 .Explain increment/decrement operator with example.
12. Explain formatted i/o and o/p statements with examples.
13. Explain conditional operators with examples.
- 14.Explain declaration and initialization of variables with examples.
- 15.Explain relational operators supported by 'c'. Write a 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 statements.
- 23.Write the syntax for switch statements.
24. Write a program which will print the 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 a one dimensional array?
- 27.What is the character array?
- 28.What is a 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.