

**DEPARTMENT OF COMMERCE**  
**QUESTION BANK FOR B COM**  
**PROGRAMMING IN C**

**MODULE I (CO) (Blooms Taxonomy Level)**

**SECTION A**

1. Describe algorithms in programming language
2. How would you summarize a flow chart?
3. Define data types in C.
4. How would you explain variables in C?
5. How would you summarize primary data types in C?
6. How would you summarize user defined data types in C?
7. Define unary operators in C.
8. How would you explain ternary operators in C?
9. How would you explain conditional operators in C?
10. Describe logical operators in C.
11. Describe symbolic constants in C.

**SECTION B**

12. Describe the relevance of algorithms and flowcharts in computer programming.
13. How would you explain identifiers and keywords in C?
14. How would you summarize Data types in C?
15. How would you explain variables and constants in C?
16. How would you summarize operators in C?
17. Describe operator precedence and associativity.
18. How would you summarize formatted and unformatted input output operations in C?



### **SECTION C**

19. Describe algorithms and flowchart with example.
20. How would you explain different data types in C?
21. How would you summarize operators in C?
22. Describe the structure of a C program with the help of an example.

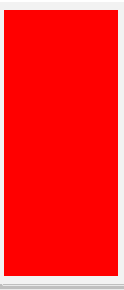
### **MODULE 2 (CO) (Blooms Taxonomy Level)**

#### **SECTION A**

1. Define Conditional statements.
2. Describe simple -if
3. Describe if-else statements
4. Describe else if ladder
5. Describe nested if statements
6. Summarize if statements
7. List out various conditional statements in C
8. Define goto statements
9. Summarize conditional statements
10. How would you summarize switch statements
11. Define looping
12. Summarize nested loops
13. How would you explain nested loops

#### **SECTION B**

14. Explain conditional statements
15. Summarize switch statements
16. Briefly explain any 2 conditional statements in c
17. Define the use of break statements in switch.



18. How would you describe goto statements in c language?
19. Explain switch
20. List out the features of conditional statements with suitable examples.
21. Explain the relevance of branching statements in c programming
22. Write a c program to calculate grade of a student using conditional statements.
23. Write a c program to calculate electricity bill using conditonal statements.
24. Explain in detail C looping
25. Briefly explain any 2 looping statements in C
26. How would you summarize entry controlled and exit controlled loops in C
27. Explain while and do while in C

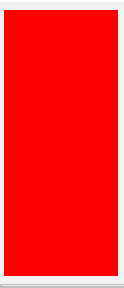
### **SECTION C**

28. Explain in detail various types of conditional statements in c with suitable examples
29. Briefly explain switch in detail with examples
30. Summarize any 2 conditional statements in c language with suitable dexamples
31. Define branching. Explain in detail different branching statements
32. Define looping. Explain looping statements in C

### **MODULE 3 (CO) (Blooms Taxonomy Level)**

#### **SECTION A**

1. Define arrays.
2. List out various types of arrays in C
3. Summarize your thoughts on string in C
4. How would you explain character arrays and strings in C
5. Explain 2D arrays
6. Explain multi dimensional arrays in C
7. List out the benefits of arrays in C



8. Why use arrays in C?
9. Mention few drawbacks of using arrays in C.
10. List out various string handling functions in c

### **SECTION B**

11. Briefly explain arrays in C
12. Develop a c program to add a square matrix using arrays
13. Explain in detail 2D arrays
14. How would you summarize the benefits of using arrays in C
15. Mention the advantages and dis advantages of arrays
16. Develop a C program to perform basic string handling functions
17. Develop a C program to find the largest and smallest element in an array.
18. Explain the difference between 1d array vs 2D with suitable examples
19. Briefly explain how to declare, initialize and retrieve arrays with suitable examples.
20. Demonstrate how can you check if two arrays are similar. Give suitable example.

### **SECTION C**

21. Explain different arrays in c
22. With suitable examples demonstrate the benefits of arrays in C
23. Develop a C program to copy the elements of one array to another.
24. Explain in detail

## **MODULE 4 (CO) (Blooms Taxonomy Level)**

### **SECTION A**

1. Define functions in C.
2. Describe user defined functions.
3. Define built – in functions in C.



4. Illustrate function prototyping.
5. Explain function call.
6. Describe function definition.
7. Describe header files in C?
8. Identify the elements in function prototyping.
9. Explain return type in a function.
10. Explain list of arguments in a function

## SECTION B

11. Compare built in functions and user defined functions in C.
12. Explain elements of a user defined function.
13. Describe recursion in C.
14. How would you summarize function definition?
15. Explain any 4 library functions in detail.
16. Illustrate a C program to display the factorial of a number.
17. Illustrate a C program to display the product of two numbers using function
18. Explain the following built in functions (a) math.h (b) string.h (c) stdio.h (d) conio.h

## SECTION C

19. How would you summarize different types of functions in C.
20. Differentiate between Call by Value and Call by reference using relevant examples.
21. Solve the problem of finding the factorial of a number using recursive function.
22. Solve a problem for finding the sum of two numbers using the four different types of user defined functions.

## MODULE 5 (CO) (Blooms Taxonomy Level)

## SECTION A



1. Define Structure in C
2. Explain union of C
3. How would you access structure members in C.
4. Summarize the concept of pointers
5. Explain how would you create a structure
6. With suitable example show how to define a structure
7. What is structure variable?
8. List out the difference between structure and union.
9. Explain the fundamentals of pointers
10. Define pointer expression

## SECTION B

11. Compare structure and union with syntax and example.
12. How would you summarize the relevance of pointers in C?
13. Solve a problem for reading and displaying the employee details in an organization using structure
14. Solve a problem for reading and displaying the employee details in an organization using union
15. Explain the importance of using call by reference in C

## SECTION C

16. Solve a problem to read and display the details of 10 students using structure.
17. Summarize the concept of structure and union with the help of example.
18. Illustrate the use of pointers in C with an example
19. How would you summarize call by value and call by reference in C?