

Only for 2021 to
2024 AD
admitted
Students

TRIBHUVAN UNIVERSITY
FACULTY OF MANAGEMENT
Office of the Dean
April - May 2025

Full Marks: 60
Pass Marks: 30
Time: 3 Hrs.

BIM / First Semester / IT 232: C Programming

Candidates are required to answer the questions in their own words as far as practicable

Group “A”

Brief Answer Questions:

[10×1=10]

1. List any two properties of algorithm.
2. Distinguish between variable and constant.
3. Write the syntax of printf() and scanf().
4. What is the difference between the increment operator ++ and the decrement operator--?
5. What is the task of sizeof operator?
6. Define array.
7. How do you define scope of a variable?
8. List any one advantage of pointer.
9. Distinguish between structure and union.
10. What is macro?

Group “B”

Short Answer Questions: (Attempt any FIVE Questions)

[5×3=15]

11. What is debugging and why is it necessary in programming?
12. Describe the task of preprocessor directives.
13. Differentiate between formatted and unformatted I/O.
14. Explain about three types of relational and logical operators.
15. Write a program to create a text file and write “FOM BIM” on it.
16. What are control statements? Discuss about any one.

Group “C”

Long Answer Questions: (Attempt any THREE Questions)

[3×5=15]

17. Write a program to print the multiplication table up to 10 of given integer.
18. Write a program to find the second greatest element in the given integer array.
19. Write a program to create a structure named “Book” with data members, bookname, author and price.
List the name of those books having price > 500.
20. Write a program to add two matrices.

Group “D”

Comprehensive Answer / Case / Situation Analysis Questions:

[2×10=20]

21. Why do we need storage class? List some graphics functions. How do you pass and return pointer in function? Illustrate with an example.
22. What are the limitations of recursive functions? How do you define and declare function? Write a recursive function to find the sum of the digits of given integer.

