

**FACULTY OF COMMERCE & BUSINESS MANAGEMENT**

BBA (Computer Applications) CBCS I-Year (II-Semester) Regular Examinations, August-2023  
**Principles of C Programming**

Time: 3 Hours

Max Marks: 60

**SECTION-A**

(5×3=15 Marks)

Answer any Five questions from the following

1. What is Compiler and Linker? How they are useful?
2. What are the Data types in C?
3. What is the use of Type Conversion? Give one example.
4. What is Looping and Decision Making? Give example.
5. How to initialize the declare a String Variable?
6. What is one dimensional array?
7. What is the need for user defined functions?
8. Write about mathematical functions?
9. What is Dynamic Memory Allocation?
10. Differentiate between structure and union.

**SECTION-B**

(5×9=45 Marks)

Answer all the following questions

11. (a) Discuss history, applications and features of C Language.  
(OR)  
(b) What is an Identifier and Variable? Explain Storage Classes by illustrating with an example program.
12. (a) What are the Basic Operators? Write a C Program to illustrate all the basic operators application.  
(OR)  
(b) What is Switch Statement and while Statement? Write a factorial of a given number program in C.
13. (a) Write a C Program to add the two matrices.  
(OR)  
(b) What is Dynamic Array? Explain String Handling Functions in detail.
14. (a) Discuss about User Defined functions and Return values and their types.  
(OR)  
(b) Explain various string handling functions available in C.
15. (a) What is a Structure? Explain Array of Structures with an example program.  
(OR)  
(b) What is a Pointer? Explain Array and Pointers.