

Branch – MATHEMATICS WITH COMPUTER APPLICATIONS

**C PROGRAMMING**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

1. Define identifier.
2. Define symbolic constant.
3. Write about the precedence of arithmetic operations.
4. Write about putchar ( ) function.
5. Write down the syntax for nested if statement.
6. Write down the unconditional go to statement.
7. Define array.
8. What are the advantages of using function?
9. Define pointer.
10. Define file.

**SECTION - B (25 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Explain about the primary datatypes in C.  
OR  
b Discuss about variables in C.
- 12 a Write about any five mathematical functions in C.  
OR  
b Discuss about the formatted output function in detail.
- 13 a Write a c program to find the given number is ODD or EVEN.  
OR  
b How to jump out of loop? Explain.
- 14 a Write a c program to perform matrix addition.  
OR  
b Write a short notes on calling a function.
- 15 a Define structure and how to declare the structure variable.  
OR  
b How to defining and opening a file?

**SECTION - C (30 Marks)**

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Discuss about constants and its types.
- 17 Explain about the various types of operators in C.
- 18 Briefly explain the looping statements in C.
- 19 Discuss about the single dimensional array in detail.
- 20 Explain the various input / output operations on files.

Z-Z-Z

END