

QP CODE: 21100129



Reg No : .....

Name : .....

**B.COM DEGREE (CBCS ) EXAMINATION, FEBRUARY 2021**

**Fifth Semester**

**Complementary Course - CO5CMT08 - PROGRAMMING IN "C" (THEORY)**

B.Com Model II Computer Applications, B.Com Model III Computer Applications

2017 Admission Onwards

C963D924

Time: 3 Hours

Max. Marks : 60

**Part A**

*Answer any ten questions.*

*Each question carries 1 mark.*

1. Give two examples for keywords in C language.
2. Explain the logical operators in C language.
3. What is meant by escape sequence?
4. What are the two types of control statements?
5. Draw a flow chart for 'if.....else' statement.
6. Define Array in C.
7. What is a string?
8. Explain the need of return type 'void' in function.
9. Define global variable.
10. Define header files.
11. Define a structure book with members – id, title and price.
12. What is a pointer ?

(10×1=10)

**Part B**

*Answer any six questions.*

*Each question carries 5 marks.*

13. Explain the methods to add comments in a C program.
14. Describe the functions involved in formatted input output operations with suitable examples.



15. Write C program to find the largest of three different numbers ?
16. Explain the do....while loop ?
17. Explain the concept of multidimensional array with example.
18. Write a user defined function to find largest among three numbers?
19. Explain 'call by value' with an example?
20. How to define a union?
21. What is the output of following program?

```
#include <stdio.h >
int main()
{
    int *ptr, a=5;
    ptr = &a;
    *ptr += 1;
    printf("%d, %d", *ptr, a);
    return 0;
}
```

(6×5=30)

### Part C

*Answer any two questions.*

*Each question carries 10 marks.*

22. Write algorithm and draw flow chart to find the biggest of ten numbers given as input.
23. What are jump statements in C language and how these works?
24. Write a C program to check whether the string is palindrome or not?
25. Write a C program to find sum of digits using function?

(2×10=20)

