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21100129

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)