Reg.No.

S.No. 319 BATCH: 2000 – 2015

END OF SEMESTER EXAMINATIONS, APRIL / MAY -2018
PROGRAMMING IN C 14
SUBJECT CODE: 08UAMA12

MAJOR: B.Sc., (Mathematics) **SEMESTER: V**
TIME : 3 HOURS **MAX.MARKS: 75**

SECTION – A (5 X 2 = 10)

Answer ALL Questions:

1. Define variable.

(OR)

2. Define Constant.

3. Illustrate GOTO statement with example.

(OR)

4. Explain how to write a character in the screen with example.

5. Explain how to initialize the one dimensional array with example.

(OR)

6. What is recursion?

7. Define Union.

(OR)

8. Distinguish Structure and Union.

9. Explain how to declare and initialize the pointer.

(OR)

10. Explain how to open a file in read and write mode.

SECTION – B (5 X 4 = 20)

Answer ALL Questions:

11. Discuss the different data types used in C.

(OR)

12. Explain any 4 mathematical function with example.

13. Illustrate the scanf and printf statement with example.

(OR)

14. Write a program to find out whether a number is even or odd.

..2..

15. Discuss the different string handling functions with example.

(OR)

16. Write a program to find out sum of N numbers using one dimensional array.

17. Write notes on Union.

(OR)

18. Discuss array within the structure and structure within the structure.

19. Discuss the pointer increment and scale factors.

(OR)

20. Write a program to interchange the value of two variable using pointer.

SECTION – C (5 X 9 = 45)

Answer ALL Questions:

21. Discuss different operators used in C.

(OR)

22. Discuss the following
    (a) Operator Precedence
    (b) Mathematical function with example.

23. Discuss different types of while and do-while statement.

(OR)

24. Write a program to display the prime in between 1 to 10.

25. Write a program to add two matrix using array.

(OR)

26. Demonstrate the function with example.

27. Write a program to prepare the student mark statement with following details (student name, studid, sub1, mark1, sub2,mark2,sub3,mark3,sub4,mark4,total)

(OR)

28. Discuss the following with example
    a. How to find out the size of the structure
    b. Bit fields

29. Discuss the pointers.

(OR)

30. Write a program to store the even number in one file and odd number in another file.

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