Computer Lab - Practical Question Bank FACULTY OF COMMERCE, OSMANIA UNIVERSITY

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B.Com (Computers & Computer Applications) I year <u>W.E.F.2009-10</u> FUNDAMENTALS OF 'C'

Time: 60 Minutes Record : 10

Skill Test : 20 Total Marks : 30

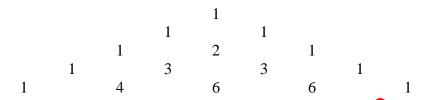
1. Write a C program to find the largest of 3 numbers.

- **2.** Write a C program to find the sum of the first 15 even numbers and calculate the square of the sum.
- 3. Write a C program to find the total and average of the marks given in an array.
- **4.** Write a C program whether the given number is Armstrong purbler or not.
- 5. Write a C program whether the given number is Perfect number or not.
- **6.** Write a C program for matrix multiplication.
- **7.** Write a C program for matrix addition
- **8.** Write a C program for matrix subtraction
- 9. Write a C program to find the exponential series of

$$1 + X + X^2/2! + X^3/3! + \dots$$

- **10**. Write a C program to find the maximum of numbers using functions
- 11. Calculate grades of N students from tests using arrays.
- **12.** Write a C program to Trace a matrix
- 13. Write a C program to find string palindrome without using String functions
- **14.** Write a C program to demonstrate Structures using student information.
- 15. Write a C program to calculate the Fibonacci series of a given number.
- **16.** Write a C program to transpose the given matrix.
- 17. Write a C program fordemonstrating Tower of Hanoi using Recursion
- **18.** Write a C program to accept a numbers and generate Square root, cube and exponential values.
- **19.** Write a C program to reverse the given number and check if the number is palindrome.
- **20.** Write a C program to demonstrate the unions using employee information.
- **21.** Write a C program for counting the number of words, lines, special characters in a given text.
- **22.** Write a C program to find the Square root of a given number.
- 23. Write a C program to find the area and circumference of a circle.
- **24.** Write a C program to find the area & perimeter of a rectangle.
- **25.** Write a C program to convert the given decimal number to binary, Octal and Hexadecimal.
- **26.** Write a C program to convert the given temperature from Centigrade to Fahrenheit.
- 27. Write a C program to swap 2 numbers using 3rd variable.
- **28.** Write a C program to swap 2 numbers without using 3rd variable.

- **29.** Write a C program to add, subtract, multiply and divide two numbers using functions.
- **30.** Write a C program to generate prime numbers till the given number.
- **31.** Write a C program to generate the Pascal Triangle as



- 32. Write a C program to display the given amount in word format Eg: Rs. 245/- as Two hundred Forty five
- **33.** Write a C program to sort the data.
- 34. Write a C program to search the given number in an array using binary search.
- **35.** Write a C program to calculate the student total and average marks of the given subjects using structures.
- **36.** Write a C program to demonstrate the string functions.
- **37.** Write a C program to find the roots of the quadratic equation.
- **38.** Write a C program to find the number of days in a month using enumerated data types.
- **39.** Write a C program to demonstrate Math functions.
- **40.** Write a C program to calculate factorial using recursive function.
- 41. Write a C program to convert from one base to another base in the number system.
- **42.** Write a C program to generate Fibonacci numbers using recursion.
- **43.** Write a C program to generate a multiplication table.
- 44. Write a C program to find the sum of N natural numbers.
- **45.** Write a C program to find the GCD of two integer values.
- **46.** Write a C program to evaluate the polynomial shown as $3X^2 + 5X^2 + 6$ if x=5
- 47. Write a C program to determine if the year is a leap year.
- **48.** Write a C program to demonstrate passing structures to functions.
- **49.** Write a C program to demonstrate call by value and call by reference.
- **50.** Write a C program to calculate the total and average of marks using function.
