



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 6th Semester Examination, 2024

CMSACOR13P-COMPUTER SCIENCE (CC13)

PRACTICAL

SET-II

Time Allotted: 2 Hours

Full Marks: 10

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.*

Answer any one question from the following

10×1 = 10

1. Write a prolog program to calculate the sum of first n numbers.
2. Write a prolog program to calculate $\frac{m!}{m+n}$.
3. Write a prolog program to calculate the n^{th} Fibonacci number.
4. Write a prolog program to calculate sum of digits of a three digit number.
5. Write a prolog program to calculate $a^2 - b^2 + c^2$.
6. Write a prolog program to find out the largest number from a list of numbers.
7. Write a prolog program to check whether a list is palindrome or not.
8. Write a prolog program to reverse a list.
9. Write a prolog program to calculate the GCD of two numbers.
10. Write a prolog program to insert an element at different positions in a list. (i.e. at first location, last location and in any location in the list).
11. Write a prolog program to check if a list is of even length or odd length.
12. Write a prolog program to implement append for two lists.

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