



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

CMSACOR14P-COMPUTER SCIENCE (CC14)

PRACTICAL

SET-I

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

[Write program using C / C++]

1. Write a program to draw an ellipse.
2. Write a program for Line drawing using DDA algorithm in C / C++.
3. Write a program for Line drawing using Bresenham's algorithm in C / C++.
4. Write a program for Mid-Point Circle Generation algorithm in C / C++.
5. Write a program to rotate by 60 degree a triangle about a fixed point taken as one of the vertex of the triangle.
6. Write a program to apply perspective projection on a 3D object.
7. Write a program to apply parallel projection on a 3D object.
8. Write a program to apply translation along horizontal direction on a 3D object.
9. Write a program for Cohen Sutherland Line Clipping Algorithm in C / C++.
10. Write a program for polygon filling using flood fill method in C / C++.

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