



**WEST BENGAL STATE UNIVERSITY**

B.Sc. Honours 6th Semester Examination, 2024

**CMSACOR14P-COMPUTER SCIENCE (CC14)**

**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**

**[Write program using C / C++]**

1. Write a Program to draw an ellipse.
2. Write a Program for Line drawing using DDA algorithm.
3. Write a Program for Line drawing using Bresenham's algorithm.
4. Write a Program for Mid-Point Circle Generation algorithm.
5. Write a Program for Mid-Point Ellipse Generation algorithm.
6. Write a Program to show 2D Transformations on a triangle.
7. Write a Program to apply parallel projection on a 3D object.
8. Write a Program to scale a triangle about a fixed point taken as one of the vertex of the triangle.
9. Write a Program to rotate of 60 degree a triangle about a fixed point taken as one of the vertex of the triangle.
10. Write a Program to apply perspective projection on a 3D object.

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