

S.NO: 22N1- UCA

Course Code: BKE3

A.D.M.COLLEGE FOR WOMEN, NAGAPATTINAM

(AUTONOMOUS)

BCA Degree Examination

V Semester – November – 2022

MBE I – COMPUTER GRAPHICS

Time: 3 hours

Maximum Marks: 75

Section –A

10X2=20

Answer **ALL** the Questions

1. Define Pixel.
2. Expand CRT.
3. List out a few attributes of output primitives?
4. Write down the attributes of characters.
5. Define Transformation.
6. What is Reflection?
7. What is meant by request mode?
8. What is the use of rubber band method?
9. What are spline curves?
10. What is called a convex hull?

Section -B

5X5=25

Answer **ALL** the Questions

11. a) What are the hardware devices used for computer graphics?

(or)

b) Explain about Random scan systems.

12. a) Explain and write steps for DDA line drawing algorithm.

(or)

b) Briefly explain about the unbundled and bundled attributes

13. a) Write down Cohen-Sutherland Line clipping algorithm

(or)

b) Explain the different types of Text clipping in brief.

14. a) Write a note on interactive picture construction technique

(or)

b) Explain about the Windows and Icons in details.

15. a) Differentiate parallel projection and perspective projection

(or)

b) Explain about 3D object representations

Section -C

3 X 10 = 30

Answer any **THREE** Questions

16. Explain the working of Refresh Cathode Ray Tube.
17. Discuss about the Bresenham's line drawing algorithm with example.
18. Explain the two-dimensional Translation and scaling with example.
19. Elaborate Logical Classification of Input Data.
20. Illustrate on Parallel Projection and its classification.

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