CGA QB

First 10 questions highlighted are IMP

1. Explain CRT with a diagram?
2. Explain Sutherland Hodgeman Algorithm for polygon clipping with example.
3. What is 2D transformation? Explain different transformations in 2D.
4. Explain Window to viewport transformation.
5. Describe RGB color space?
6. Explain Color appearance.
7. Define animation. Explain any 5 principles of animation
8. What is an image? Explain any 5 image formats.
9. Explain different types of coherence.
10. Write a short note on Curve representation.
11. Differentiate between Random and Raster Scan display.
12. Explain 3D transformation in detail.
13. Write a short note on Chromatic adaptation?
14. Compare all visible surface detection methods.
15. Explain different types of Image compression.
16. Difference between active & passive graphics device?
17. Write a short note on Photometry.
18. Explain Warnock's Algorithm (Area sub division mehod) in detail.
19. Write a short note on Image Processing
20. For triangle ABC, A(1,2) B(3,4) C(2,5) perform the following 2D transformations:
    i) Translation by factor (2,3)
    ii) Scaling towards y-axis Sy = 6
    iii) Rotation by angle = 45 degree anticlockwise
21. Perform reflection on point (4,5) through x-axis and y-axis.