அரசினர் ஆடவர் கலைக்கல்லூரி (தன்னாட்சி), நந்தனம், சென்னை – 35.

CODE: **162621** TIME: 2Hrs

NOVEMBER 2020 MAX. MARKS : 50

PART A *(10 x 2=20)*

*Answer any **TEN** questions*

1. What are the applications of computer graphics?
2. List the various input devices.
3. What is object geometers?
4. Define viewing pipeline.
5. Write short note in window to viewpoint.
6. What is a projection?
7. What is meant by blobby objects?
8. Define clipping.
9. What are the purpose light sources?
10. What are the concepts in color selection?.
11. Define raster animation..
12. What is morphing?.

PART B *(2 x5=10)*

*Answer any **TWO** questions*

13. Discuss the functions of graphics monitor and workstations.
14. Describe the ellipse generating algorithm.
15. Explain the two dimensional geometric transformations.
16. What is composite transformation? Explain
17. Explain curved lines and surface.
18. Discuss the three dimensional geometric transformation.
19. Differentiate RGB colour model and YIQ colour model.
20. Briefly explain design of animation sequence.

PART C *(2x10=20)*

*Answer any **TWO** questions*

21. Explain the Line drawing algorithm.
22. Discuss about the polygon clipping algorithm.
23. Compare the view pipeline with viewing co-ordinates.
24. Explain the following:

    CMY color model.

    HSV color color model.
25. Discuss the recursively defined curves.
