

(FOR THE CANDIDATES ADMITTED DURING
THE ACADEMIC YEAR 2019-20 ONLY)

SUBJECT CODE **19UCT6E7**

REG.NO.

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : JULY – 2022

B.Sc.-Comp.Technology

MAXIMUM MARKS: 75

SEMESTER : VI

TIME : 3 HOURS

PART - III

ELECTIVE–III : MULTIMEDIA TECHNIQUES

SECTION – A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

(Qn. No. 1 - 5)

1. The maximum number of points that can be displayed without overlap on CRT is _____.
 - a) Resolution
 - b) Shadow mask
 - c) Persistence
 - d) Proportion
2. A world-coordinate area selected for display is called a window _____.
 - a) Viewport
 - b) Window
 - c) Rectangular view port
 - d) Pipeline.
3. _____ and _____ are the two main interface standards.
 - a) DMP and JPG
 - b) CCD and RGB
 - c) TWAIN and ISIS
 - d) DPI and ICIC
4. _____ is a measure of loudness of a tone.
 - a) Pitch
 - b) Sound
 - c) Quality
 - d) Intensity
5. _____ compression implies original data is not changed permanently during compression.
 - a) Lossless
 - b) Lossy
 - c) Intraframe
 - d) Interframe

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

(Qn. No. 6 - 10)

6. What is frame buffer?
7. Write a note on reflection.
8. List the types of text used to produce pages of a document.
9. Outline on audio amplifier.
10. Define frame rate.

SECTION – B**(5 X 5 = 25 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.****(Qn. No. 11 to 15) 10 questions (a & b) – 2 questions from each unit. (K3)**

11. a) Classify the raster scan display.

(OR)

b) Discuss the Midpoint Ellipse Algorithm.

12. a) Explain 2- dimensional transformations with examples.

(OR)

b) Write a note on text clipping.

13. a) Write the importance of Unicode standard.

(OR)

b) Enumerate the various file formats.

14. a) Exemplify the concept of Musical Instrument Digital Interface.

(OR)

b) Expound the Sound Recording.

15. a) Describe the various video Signal formats.

(OR)

b) State the different types of animation.

SECTION - C**(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS****(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS****(FROM Qn. No : 17 to 21)****(K4 (Or) K5)**

16. Classify the basic steps involved in image processing.

17. Enlighten any two line drawing algorithms.

18. Elucidate in detail about the 2D viewing functions.

19. What is the use of scanner? Illustrate the working principle and types of scanners.

20. Explain about Audio file formats.

21. Elucidate the concept of rendering Algorithms.