Paper/ Course Code: Computer Graphics and Animation/ USIT405

(Duration - 40 min.)

Programme: S.Y.B.Sc. (I.T.)

Semester: IV

Max. Marks: 20

Date: 21/01/2023

Please check whether you have got the right question paper

N.B. - 1. Attempt any FOUR questions.

2. Answers to the same questions must be written together.

3. Numbers to the right indicate marks.

Attempt any FOUR of the following   (20)

Q.1.   What is computer graphics? State applications of CG.   (5)

Q.2.   Differentiate between Random and Raster Scan display.   (5)

Q.3.   Explain CRT with a diagram?   (5)

Q.4.   What is 2D transformation? Explain different transformations in 2D.   (5)

Q.5.   Explain Window to viewport transformation.   (5)

Q.6.   For triangle ABC, A(1,2) B(3,4) C(2,5) perform the following 2D transformations: (5)
        i) Translation by factor (2,3)
        ii) Scaling towards y-axis Sy = 6
        iii) Reflection on x-axis