

Find the 3-D transformation matrix for translation, Scaling rotation.

b) Write short note on isometric projection.

OR

6

4

4

7

6

7

6

6

6

7

- 8. a) Obtain the Perspective and Parallel projection matrices.
 - b) Explain following hidden surface removal algorithm
 - i) Painters algorithm

a)

9.

- ii) Warnock's algorithm.
- a) Find equation of Bezier curve which passes through points (0, 0) and (-2, 1) is controlled through points (7, 5) and (2, 0).
 - b) Explain in detail phong shading technique.

OR

- **10.** a) Determine the Blending Function for uniform periodic B-spline Curve for d=3 and n=3.
 - b) What is interpolation? Explain interpolation process.
- **11.** a) Explain the various types of animation.
 - b) Write short note on.
 - i) Animation Language
 - ii) Key-frame system.

OR

- **12.** a) Explain CIE Chromaticity diagram.
 - b) Explain the basic color models and list all the color models.

www.solveout.in

KNT/KW/16/7357