Assignment 2

The last date for submitting this assignment has passed.

Due on 2021-02-07, 23:59 IET.

As per our records you have not submitted this assignment.

1) When every entry of a geometric model remains parallel to its initial position, the transformation is called as ______ ?
   - scaling
   - translation
   - rotation
   - dilation
   - mirror
   No, the answer is incorrect. Score: 0
   Accepted Answers: translation

2) In which type of projection, actual dimensions and angles of objects and therefore shapes cannot be preserved?
   - Orthographic
   - Isometric
   - Perspective
   - Nears of the above
   No, the answer is incorrect. Score: 0
   Accepted Answers: Perspective

3) Finding can be
   - windows
   - non-silhouette
   - solid silhouettes and non-silhouets
   - wave of the facade
   No, the answer is incorrect. Score: 0
   Accepted Answers: both corridor and navigation

4) A triangle is to be reflected about an arbitrary line. From the following, which transformation will be performed first?
   - Scaling
   - Upright
   - Translation
   - Rotation
   No, the answer is incorrect. Score: 0
   Accepted Answers: Translation

5) Which of the following statements describes an affine canvas but not a general perspective canvas?
   - Relative sizes of realistic objects in a scene can be determined without prior knowledge.
   - Can be used to determine the distance from an object of a known height.
   - Approximates the human visual system.
   - An infinity long plane can be viewed as a line from the right angle.
   No, the answer is incorrect. Score: 0
   Accepted Answers: Relative size of realistic objects in a scene can be determined without prior knowledge.

6) A 15 cm object is placed 20 cm from a convex lens, which has a focal length of 15 cm. The distance of the image from the center of the lens is ______ cm.
   - 10 cm
   - 20 cm
   - 30 cm
   No, the answer is incorrect. Score: 0
   Accepted Answers: 10 cm

7) Which surface obeys the laws of reflection?
   - Specular Surface
   - Lambertian Surface
   - Normal surface
   No, the answer is incorrect. Score: 0
   Accepted Answers: Specular Surface

8) Which surface has outgoing radiance same in all direction?
   - Specular Surface
   - Lambertian Surface
   - Normal surface
   No, the answer is incorrect. Score: 0
   Accepted Answers: Lambertian Surface

9) Photometric stereo uses ______ viewpoints ______ images under ______ lighting condition.
   - Same, n(D) different
   - Different, n(D) same
   - Different, n(D) different
   No, the answer is incorrect. Score: 0
   Accepted Answers: Same, n(D) different

10) What is the name of for orthographic projection?
    - M = \[
      \begin{bmatrix}
        1 & 0 & 0 \\
        0 & 1 & 0 \\
        0 & 0 & 1 \\
      \end{bmatrix}
    \]
    - M = \[
      \begin{bmatrix}
        1 & 0 & 0 \\
        0 & 0 & 0 \\
        0 & 0 & 0 \\
      \end{bmatrix}
    \]
    - M = \[
      \begin{bmatrix}
        0 & 0 & 0 \\
        0 & 1 & 0 \\
        0 & 0 & 1 \\
      \end{bmatrix}
    \]
    No, the answer is incorrect. Score: 0
    Accepted Answers: \[
      \begin{bmatrix}
        1 & 0 & 0 \\
        0 & 1 & 0 \\
        0 & 0 & 1 \\
      \end{bmatrix}
    \]