Assignment 2

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-09-30, 23:59 IST.

1) Which among the following is not a subcategory of space partitioning technique? 1 point
   - a. Mesh representation
   - b. Octrees
   - c. BSP trees
   - d. Constructive solid geometry

   No: the answer is incorrect
   Score: 0
   Accepted Answers:
   a. Mesh representation

2) All other representations are converted to ____________ representation at the end of the pipeline before the objects are rendered. 1 point
   - a. mesh
   - b. BSP tree
   - c. octree
   - d. none of the above

   No: the answer is incorrect
   Score: 0
   Accepted Answers:
   a. mesh

3) To represent a blocky object a suitable combination of Gaussian density functions is used. The Gaussian density function is characterized by two parameters: height and _____________. 1 point

   No: the answer is incorrect
   Score: 0
   Accepted Answers:
   a. length
   b. standard error
   c. standard deviation
   d. blocky factor

4) Sweep surface and surface of ____________ are two sweep representation techniques used in computer graphics. 1 point

   No: the answer is incorrect
   Score: 0
   Accepted Answers:
   a. length
   b. standard error
   c. standard deviation
   d. blocky factor

5) We can represent a curve using a single parameter 'u'. 1 point
   - a. True
   - b. False

   No: the answer is incorrect
   Score: 0
   Accepted Answers:
   a. True

6) Spline refers to ____________ of several polynomials. 1 point
   - a. difference
   - b. joining
   - c. division
   - d. multiplication

   No: the answer is incorrect
   Score: 0
   Accepted Answers:
   a. joining

7) Natural cubic spline are made up of pieces of ____________ degree polynomial. 1 point
   - a. first
   - b. second
   - c. third
   - d. fourth

   No: the answer is incorrect
   Score: 0
   Accepted Answers:
   a. third

8) Cubic Bezier curves are examples of approximating splines. 1 point
   - a. True
   - b. False

   No: the answer is incorrect
   Score: 0
   Accepted Answers:
   a. True

9) There are two types of continuity conditions: parametric continuity and ____________ continuity (fill in the blank) 1 point

   No: the answer is incorrect
   Score: 0
   Accepted Answers:
   a. Type: Shiny/geomtric

10) Natural cubic splines are examples of interpolating splines 1 point
    - a. True
    - b. False

    No: the answer is incorrect
    Score: 0
    Accepted Answers:
    a. True