Unit 5 - Detailing and design for 3D printing

Week-4 Assessment

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

Due on 2020-02-06, 23:59 BST.

1. Solid modelling:
   - Related to geometrical modelling and computer graphics
   - Modelling three dimensional solids
   - Engineering drawing
   - 3D printing
   - No, the answer is incorrect.
   - Accepted Answers:
     - Modelling three dimensional solids

2. Welding for 3 joint right angle junctions, having fillet radius 6mm.
   - Can be filleted or notched
   - Not the answer is incorrect.
   - Accepted Answers:
     - Should not be filleted or notched

3. Spherical surface model representation having 50mm radius
   - Should use circular shaped lists
   - Can have beveling triangular facets
   - Not the answer is incorrect.
   - Accepted Answers:
     - Can have beveling triangular facets

4. Select the precedence of overlapping lines in pictorial representation of the model in drawing
   - Solid line, central line, hidden line
   - Solid line, hidden line, central line
   - Correct: central line, hidden line, solid line
   - No, the answer is incorrect.
   - Accepted Answers:
     - Solid line, central line, hidden line

5. 3D printed layers are:
   - Not done using primitive shapes
   - Done using primitive shapes
   - Done using solid images
   - Done using material removal operation
   - No, the answer is incorrect.
   - Accepted Answers:
     - Done using primitive shapes

6. 3D is used for
   - Photoreal surface modelling
   - Power surface schematics
   - Photo realistic layout
   - Photorealistic projection views
   - No, the answer is incorrect.
   - Accepted Answers:
     - Photo realistic layout

7. Choose the correct sequence in the following
   - Primitive shapes are - sphere, cone, cube, cylinder
   - Primitive shapes can't be used in CAD solid modelling
   - Primitive shapes can be used in CAD 3D modelling
   - Primitive shapes can't be used in sheet metal bending
   - No, the answer is incorrect.
   - Accepted Answers:
     - Primitive shapes can be used in CAD solid modelling

8. Engineering drawing is:
   - Solid modelling
   - 3D geometrical representation
   - Drawing done in CAD
   - A type of technical drawing
   - No, the answer is incorrect.
   - Accepted Answers:
     - A type of technical drawing

9. In constructive solid geometry, primitive shapes are
   - Cross, line, sphere, cone, pyramid
   - Cylinder, cube, cone, pyramid, torus, sphere
   - Boxes, arbitrary pyramid, cube, circle
   - Liss, circles, triangles, sphere, cube
   - No, the answer is incorrect.
   - Accepted Answers:
     - Cylinder, cube, cone, pyramid, torus, sphere

10. Solid geometry includes:
    - Bounding triangular facets
    - Bounding spherical surfaces
    - Non bounding triangular facets
    - Can be approximated
    - No, the answer is incorrect.
    - Accepted Answers:
        - Bounding triangular facets