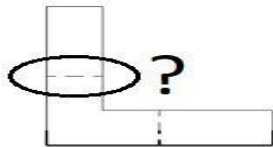


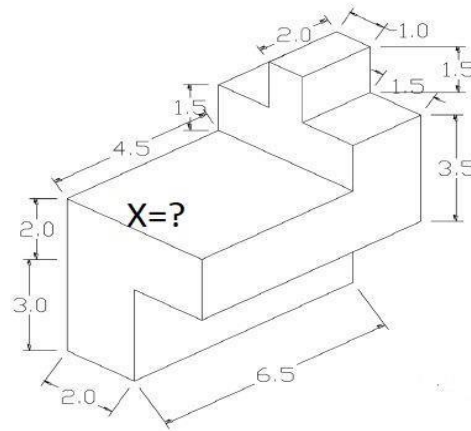
American International University-Bangladesh
Faculty of Engineering
Midterm Assessment (Spring 2020-2021)
Computer Aided Design and Drafting
Marks: 40

*****Each question contains 2 marks.**

1. If you want to make a fillet in an object which of the following you should define?
 - a. Distance
 - b. **Radius**
 - c. Diameter
 - d. a & b both
2. To draw the same sized object in circular way which of the following array option is used?
 - a. Rectangular array
 - b. Circular array
 - c. **Polar array**
 - d. None of these above
3. What is the sequence of the object-picture plane-observer in 4th angle projection?
 - a. **Object-picture plane-observer**
 - b. Observer-picture plane-object
 - c. Picture plane-object-observer
 - d. Picture plane- observer- object
4. What do we call this question marked line?



- a. Dashed line b. Hidden line c. cutting plane line **d. a & b both**
5. Consider “X” representing the dimension of this line in the following figure. What is the value of “x”?
 - a. 4.5 b. 3.5 **c. 4** d. 5



6. Which of the following angles are not the angles of isometric projection?
 - a. **120 degree**
 - b. 30 degree
 - c. 60 degree
 - d. a & b both
7. Isometric views are three dimensional. **True**
8. The difference of first and third angle projections is the relative positions of
 - a. **observer, object and the picture plane**
 - b. object and the picture plane.
 - c. Observer and the object
 - d. observer and the picture plane
9. How can you classify the projection?
 - a. Depending on the shape of the object
 - b. **Depending on the rays of the sight**
 - c. Depending on the position of the object
 - d. Depending on the position of the observer
10. How many categories of the scale we have in AutoCAD drawing?
 - a. 4
 - b. **3**
 - c. 5
 - d. 2
11. To draw the hidden edge of an object, dashed line is used. **True**
12. In an isometric view, right-hand side view is usually at degree angle with the horizontal position.
 - a. 60
 - b. 90
 - c. **30**

d. 120

13. The lengths are same for which options of orthographic views: 1. Front 2. Right 3. Left

4. Top

a. 1&2

b. 3&4

c. **4&1**

d. 1&3

14. The heights are same for which options of orthographic views: 1. Front 2. Right 3. Left

4. Top

a. 1&2

b. 3&4

c. **1,2&3**

d. 1&3

15. To move an object at any point which option should be chosen?

a. Polar

b. Grid

c. Ortho

d. **None**

16. Projection of an inclined surface is always smaller than the length of that (inclined) surface. **True**

17. Which line is thickest?

a. **Object line**

b. Extension line

c. Dashed line

d. Center line

18. Orthographic views are two-dimensional views. **True**

19. Which option is used to draw AC signal in designing a circuit?

a. Polygon

b. **Spline**

c. 3-point arc

d. Fillet

20. Which option is used to fill an object with color?

a. Extrude

b. **Hatch**

c. Gradient

d. Chamfer

