

## UNIT 1

**1.The following is not included in title block of drawing sheet.**

- a. Sheet No
- b. Scale
- c. Method of Projection
- d. Size of sheet

(Ans: d)

**2. In first angle projection method, object is assumed to be placed in**

- a. First quadrant
- b. Second quadrant
- c. Third Quadrant
- d. Fourth quadrant

(Ans: a)

**3. The following line is used for dimension line**

- a. Continuous thick
- b. Continuous thin
- c. Chain thin line
- d. Short zigzag thin

**4. The Length: Width in case of an arrow head is**

- a. 1:1
- b. 2:1
- c. 3:1
- d. 4:1

(Ans: c)

**5. The dotted lines represents**

- a. Hidden edges
- b. Projection line
- c. Centre line
- d. Hatching line

(Ans: a)

**6-In aligned system of dimensioning, the dimensions may be read from**

- a. Bottom or right hand edges
- b. Bottom or left hand edges
- c. Only from bottom
- d. Only from left side

(Ans: a)

**7-The Length:Width in case of an arrow head is**

- e. 1:1
- f. 2:1
- g. 3:1
- h. 4:1

(Ans: c)

**8-A point 'P' is above Horizontal Plane (HP) and in front of Vertical Plane (VP). The point is in**

- a. First quadrant
- b. Second quadrant

- c. Third quadrant
- d. Fourth quadrant

(Ans: a)

**9-The internal angle of regular pentagon is \_\_\_\_ degree.**

- a. 72
- b. 108
- c. 120
- d. 150

(Ans: a)

**10-The internal angle of regular hexagon is \_\_\_\_ degree.**

- a. 72
- b. 108
- c. 120
- d. 150

(Ans: c)

**11-‘Representative fraction’ (RF) is defined as**

- a. Length of an object in the drawing / Actual length of the object
- b. Length of an object in the drawing / Isometric length of the object
- c. Actual length of the object / Length of an object in the drawing
- d. Isometric length of the object / Length of an object in the drawing

(Ans: a)

**12-A line of 1 meter is shown by 1cm on a scale. Its Representative fraction (RF) is**

- a. 1
- b. 100
- c. 1/100
- d. 1/50

(Ans: c)

**13-A point ‘P’ is above Horizontal Plane (HP) and in front of Vertical Plane (VP). The point is in**

- a. First quadrant
- B.Second quadrant
- c. Third quadrant
- d .Fourth quadrant

(Ans: a)

**14-The side view of an object is drawn in**

- Vertical plane
- Horizontal plane
- Profile plane
- Any of the above

(Ans: c)

15-When the line is parallel to both Horizontal Plane (HP) and Vertical Plane (VP), we can get its true length in

Front view  
Top view  
Both 'a' and 'b'  
Side view  
(Ans: c)

16-When the line is parallel to VP and perpendicular to HP, we can get its true length in

Front view  
Side view  
Both 'a' and 'b'  
Top view  
(Ans: c)

17-The following method(s) is used to find the true length and true inclination of a line when its front view and top view are given

Rotation method  
Trapezoidal method  
Auxiliary plane method  
All of the above  
(Ans: d)

18-The front view of a rectangle, when its plane is parallel to HP and perpendicular to VP, is

Rectangle  
Square  
Line  
Point  
(Ans: c)

19-Which of the following position is not possible for a plane?

Perpendicular to both HP and VP  
Parallel to both HP and VP  
Perpendicular to HP and parallel to VP  
Perpendicular to VP and parallel to HP  
(Ans: b)

## UNIT2

1. Which is the latest version of AutoCAD software?

- a) 2016
- b) 2017

c) **2018**

d) 2019

2. Which key is used to obtain properties palette in AutoCAD?

a) **Control+1**

b) Control+2

c) Control+3

d) Control+4

3. AutoCAD was first released in the year:

a) 1858

b) 1966

c) 1898

d) **1982**

4. How many units are available in AutoCAD?

a) 4

b) **5**

c) 7

d) 6

5. Which mode allows user to draw 90° straight lines :

a) Osnap

b) **Ortho**

c) Linear

d) Polar tracking

6. To obtain parallel lines, concentric circles and parallel curves; \_\_\_\_\_ is used.

a) Array

b) Fillet

c) Copy

d) **Offset**

7. The default grid spacing in both X and Y directions is:

a) **10**

b) 20

c) 5

d) 15

8. How many workspaces are available in AutoCAD?

a) 2

b) 4

c) **3**

d) 5

9. Scale command can be accessed easily by typing:

a) SL

b) S

c) **SC**

d) C

10-The following are the Solids of revolution except

a. Prism

- b. Sphere
- c. Cone
- d. Cylinder

(Ans: a)

**11-A right regular hexagonal prism is resting on HP on its base, its top view is a**

- a. Square
- b. Rectangle
- c. Hexagon
- d. Pentagon

(Ans: c)

**12- Which of the following position is not possible for a right solid?**

- a. Axis perpendicular to HP and parallel to VP
- b. Axis parallel to VP and perpendicular to HP
- c. Axis parallel to both VP and HP
- d. Axis perpendicular to both VP and HP

(Ans: d)

**13-The top view of a right cylinder resting on HP on its base rim is**

- a. Ellipse
- b. Circle
- c. Rectangle
- d. Square

(Ans: b)

**14-A tetrahedron has four equal \_\_\_\_ faces**

- a. Square
- b. Rectangular
- c. Triangular
- d. None of the above

(Ans: c)

**15-The following is formed by revolving rectangle about one of its sides which remains fixed**

- a. Cylinder
- b. Sphere
- c. Hemisphere
- d. Cone

(Ans: a)

**16. When drawing in 2D, what axis do you NOT work with?**

- A X
- B Y
- C Z
- D WCS

**Correct Answer : C**

17.The primary difference between the Model tab and the Layout tab(s) is \_\_\_\_.

A the Model tab is used for drawing in 3D and a Layout is used for drawing in 2D

B the Model tab is where you create the drawing and a Layout tab represents the sheet that you will plot or print on

C the color of the background

D the Model tab displays the drawing you are copying from and the Layout tab is where you lay out the new drawing

**Correct Answer : B**

18.Which of the following is NOT a property of an object

A Line weight

B Measure

C Hyperlink

D Elevation

**Correct Answer : B**

19.Which command convert discrete objects in polyline

A Union

B Subtract

C Join

D Polyline

**Correct Answer : C**

### UNIT 3

**01-If a solid is cut by a cutting plane parallel to the base of the solid and top part is removed, the remaining part is called**

a. Frustum of a solid

b. Truncated solid

c. Oblique solid

d. None of the above

(Ans: a)

**02-The sectional plane are represented by**

a. Continuous thick line

b. Continuous thin line

c. Chain thin line

d. Chain thin line having thick edges

(Ans: d)

**3-A right circular cone resting on HP on its base is cut by a section plane parallel to HP, bisecting its axis. The true shape of the section is**

Parabola

Hyperbola

Ellipse

Circle

(Ans: d)

4-A right circular cylinder resting on HP on its base is cut by a section plane inclined to HP, bisecting its axis. The true shape of the section is

Parabola

Hyperbola

Ellipse

Circle

(Ans: c)

5When drawing in 2D, what axis do you NOT work with?

A X

B Y

C Z

D WCS

**Correct Answer: C**

6. The primary difference between the Model tab and the Layout tab(s) is \_\_\_\_.

A the Model tab is used for drawing in 3D and a Layout is used for drawing in 2D

B the Model tab is where you create the drawing and a Layout tab represents the sheet that you will plot or print on

C the color of the background

D the Model tab displays the drawing you are copying from and the Layout tab is where you lay out the new drawing

**Correct Answer : B**

7. Which of the following is NOT a property of an object

A Line weight

B Measure

C Hyperlink

D Elevation

**Correct Answer: B**

**Question No : 4**

8.Which command convert discrete objects in polyline

A Union

B Subtract

C Join

D Polyline

**Correct Answer: C**

9. Does it matter which Hatch pattern you use in Section views?

**Yes**

No

Only if it is steel

Only if wireframe model

10. Does an object created with the Box command have 6 identical sides?

**Only if you choose to draw it that way**

Always

Only if you type the command in upper case

Only if you choose to draw it that way

11. When using the Subtract command, which object do you select first?

**The object to subtract from**

The object to subtract

You select everything at once

The largest one

12. After using the Union command, the resulting object will have the properties of...

The current layer

**The first object selected**

The last object selected

You will be asked to create a new layer

13. The Extrude command creates a...?

**Solid**

Wireframe model

Region

Thick line

14. If a command to create a region fails, what might have been wrong?

You selected more than one object

The object was not closed

**There was a gap or space in the shape**

You tried the command on a polyline

15. Wireframes are the most complex form of 3D drawing

Yes

**No**

They can be

Only if you are drawing bridges

16. A tetrahedron is resting on its face on the H.P. with a side perpendicular to the V.P. Its front view will be

A) equilateral triangle

B) isosceles triangle

C) scalene triangle

D) right-angle triangle

## UNIT 4

1-The following is the method for development of a right regular prism.

Parallel line method

Radial line method

Triangulation method

Approximate method

(Ans: a)

2-The following is the method for development of a sphere.

Parallel line method

Radial line method



Triangulation method  
Approximate method  
(Ans: d)

3-Development of surfaces is used in the development of

Piping  
Air conditioning duct  
Buckets  
All of the above  
(Ans: d)

4-The development of cylinder is a

Rectangle  
Circle  
Ellipse  
None of the above  
(Ans: a)

5-Zone method is used to develop

Prism  
Pyramid  
Cone  
Sphere  
(Ans: d)

6-The development of lateral surfaces of a pentagonal pyramid is  
Five squares  
Five Rectangles  
Five triangles  
None of the above  
(Ans: c)

7.By default, which direction is the material projected?

From the back  
From the front  
**From the top**  
From the bottom

8. Which is not a valid option for mapping Projection?

Solid  
**Resize**  
Spherical  
Cylindrical

9. What are the advantages of 3-D over 2-D CAD drafting?

You can generate realistic renderings  
It is easier to adjust one model instead of many drawings  
You can create prototypes easier

All of the above

10. Is 'line thickness' a true 3-D method of drawing?

Yes

Yes, but only in AutoCAD LT

Yes, but only if you use lots of layers

**No, it is only a representation**

11. 1. Which method of development is employed in case of prisms?

**a) Parallel-line development**

b) Approximation method

c) Triangulation development

d) Radial-line development

12. . The development of the lateral surface of a cylinder is a rectangle having one side equal to the \_\_\_\_\_ of its base-circle and the other equal to its length.

**a) circumference**

b) area

c) diameter

d) radius

13. Which method of development is employed in case of pyramids?

a) Parallel-line development

b) Approximation method

c) Triangulation development

**d) Radial-line development**

14. Which method of development is employed in case of cones?

a) Parallel-line development

b) Approximation method

c) Triangulation development

**d) Radial-line development**

**15.** Which method is used to develop transition pieces?

a) Parallel-line development

b) Approximation method

**c) Triangulation development**

d) Radial-line development

16. The development of lateral surface of a pyramid consists of a number of equal \_\_\_\_\_triangle in contact.

a) equilateral

**b) isosceles**

c) scalene

d) right angled

## UNIT 5

1. Which in your opinion gives the best rendering results?

(a) Medium

(b) High

**(c) Presentation**

(d) Low

2. The Boolean operators - Union, Subtract and Intersect tools are found in the toolbar:

(a) Modeling

(b) UCS

**(c) Solids Editing**

(d) UCS II.

3. From which of the following toolbars can the Mass Properties tool be called?

- (a) Modify
- (b) Draw
- (c) Standard
- (d) Inquiry**

4. What is the command used for Plagiostomi angle?

- A Chamfer
- B Fillet
- C Offset
- D Mirror

**Correct Answer : A**

5. Print scale 1:50 means that

- A The draft is 50 times less expensive than the original
- B A 3 cm corresponds to half a meter
- C A measure corresponds to 50 cm
- D None of the above

**Correct Answer : B**

**Question No : 33**

6. What is the difference between command Plot and Print

- A plot command prints only big plans
- B The plot command for CNC (CAM)
- C No difference
- D print command can print up to A3 size paper

**Correct Answer : C**

7. Objects are rotated around the

- A Bottom of the object
- B Base point
- C Center of the object
- D Origin

**Correct Answer : B**

8. A cylinder can be created by drawing a rectangular shape then the \_\_\_\_\_ tool.

- A.** Revolve
- B.** Sweep
- C.** Extrude
- D.** none of the above

**Answer:** Option A

9. The 3-D commands on the Modeling toolbar include \_\_\_\_\_.

- A. box
- B. sphere
- C. extrude
- D. all of the above

**Answer:** Option D

10. Which one of these will NOT start the Print command?

Typing PLOT

Typing PRINT

Pressing Control+P

**Pressing Alt+P**

**11. How To Use Coincident Constraint?**

**Coincident constraint use to constrain a line to the center of a circle.**

Coincident constraint use to constrain a line to the center of a rectangle.

Coincident constraint use to constrain a line to the center of a Hexagon.

Coincident constraint use to constrain a line to the center of a cube.

**12. To Create A Sub-assembly From Components In An Existing Assembly**

You promote the components.

**You demote the components.**

You fix the components.

You divide the components.

**13. What Is The Purpose Of Making Parts And Assemblies Adaptive?**

It provides for cross part constraints.

It provides co relation between parts.

It provides for sub assemble relationships.

**It provides for cross part relationships.**

**14. In An Assembly, What Constraint Would You Use To Align Two Part Faces So That Their Direction Arrows Are Parallel?**

**Mate with a Solution of Flush.**

Fix with a Solution of Flush.

Cross with a Solution of Flush.

intersect with a Solution of Flush.