Summer 2014 Sem-2

1 When the plane cuts the cone parallel to the generator, the curve traced out is

   A. ellipse   **B. parabola**   **C.** hyperbola   **D.** triangle

2 When a line is inclined to VP and parallel to HP, the front view will be _____ to xy

   A. parallel   **B.** perpendicular   **C.** inclined at angle f   **D.** non on these

3 A square plate of negligible thickness is inclined to HP. The front view will appear as

   A. rhombus   **B. square**   **C.** line   **D.** rectangle

4 Name the solid formed by four equilateral triangle

   A. Square pyramid   **B.** Triangular pyramid   **C. Tetrahedron**   **D.** Square prism

5 A cylinder standing on the HP is cut by a vertical plane parallel to the axis and away from it. The shape of the section will be

   A. Rectangle   **B.** Circle   **C.** Ellipse   **D.** Hyperbola

6 Two lines inclined at 90º in the orthographic view appear in isometric view to be inclined at

   A. 60º   **B.** 90º   **C. 120º**   **D.** 180º

7 When the axis of the solid is parallel to both HP and VP the view which reveals the true shape of the base is

   A. Front view   **B.** Top view   **C. Side view**   **D.** None of these

8 Length of a line 'L' in isometric drawing or view will be

   A. 0.707 L   **B.** 0.815 L   **C.** 0.866 L   **D. equal to length L**

9 For drawing of small instruments, watches etc. the scale used is

   A. Reduced scale   **B.** Full scale   **C. Enlarged scale**   **D.** none of these

10 Second angle projection is not used because

   A. Plan is above xy   **B. both views overlap each other**   **C.** elevation is above xy   **D.** views are small in size

11 If the object lies in third quadrant, its position with respect to reference planes will be

   A. In front of VP, above HP   **B.** Behind VP, above HP   **C. Behind VP, below HP**   **D.** In front of VP, below HP

12 In the game of cricket, a ball is thrown from the boundary and reaches the gloves of the wicket keeper, the curve traced out will be

   A. Hyperbola   **B.** Involute   **C. Parabola**   **D.** Cycloid

13 In isometric projection/drawing the ellipse is normally drawn by which method

   A. Arc of circle method   **B.** Concentric circle method   **C. Four centre method**   **D.** Oblong method

Summer 2015 Sem-2

1 When the plane cuts the cone parallel to one of the generator, the curve trace out by section is

   A. Ellipse   **B. Parabola**   **C.** Hyperbola   **D.** Involute

2 In first angle projection method The Left hand side view is placed on

   A. Above elevation   **B. Right side of elevation**   **C.** below elevation   **D.** Left side of elevation

3 A French curve is used to draw

   A. Circles   **B. Smooth freeform curve**   **C.** Right circular cone   **D.** orthographic projection

4 If line is inclined to vertical plane and parallel to Horizontal plane, then which one of the following is always correct?

   A. True length = Plan length   **B.** True length = Elevation length   **C.** True length ? Plan length   **D.** None of the above

5 To obtain the true shape of the section of solid, an auxiliary plane is set at

   A. Parallel to cutting plane   **B.** Perpendicular to cutting plane   **C.** Parallel to Ground plane   **D.** Perpendicular to XY Plane

6 A square plane is inclined to HP & perpendicular to VP its elevation appears as

A. Rhombus	B. Square	C. **Straight line**	D. Rectangle

7 Length (L) of line in Isometric view will be equal to

A. 0.707 L	B. 0.815 L	C. **True length L**	D. 0.866 L

8 For scale, which one is not correct

A. 1:2	B. 1:20	C. 1:1/2	D. **1/2**

9 In Isometric view length, Width, and Height are inclined at

A. 30º	B. 60º	C. 90º	D. **120º**

10 When a point is below HP & in Front of VP it is in

A. First quadrant	B. Second quadrant	C. Third quadrant	D. **Fourth quadrant**

11 In orthographic view the lines Perpendicular to arrow X are drawn as (1) Parallel to XY in Plan (2) Parallel to XY in elevation (3) Perpendicular to XY in Elevation

A. 1	B. 2	C. 3	D. **1 & 2**

12 When the cone, resting on base on V.P., is cut by section plane parallel to V.P. then the true shape is _____ and can be seen in _____ view.

A. **Circle, Front**	B. Ellipse, Front	C. Ellipse, Top	D. Circle, Top

13 The isometric view of a vertical line is represented at an angle of _____ in front view and having a length _____ the original length of line.

A. 30º, Same as	B. 30º, Less than	C. **90º, Same as**	D. 90º, Less than

14 While drawing the isometric view of the sphere, its diameter is taken as

A. Equal to actual diameter	B. **11/9 times of the actual diameter**	C. 21/9 times of the actual diameter	D. none of the above

Summer 2016 Sem-2

1 When a surface of an object is inclined to a plane of projection, it will appear _____ in the view.

A. **foreshortened**	B. in true size and shape	C. as a line	D. as a point

2 A sphere can be described in how many views?

A. 4	B. 3	C. 2	D. **1**

3 If point C is below HP and behind VP then in which quadrant point C lies?

A. First	B. Second	C. **Third**	D. Fourth

4 A cone base diameter 40 mm and axis 60 mm is cut by a plane parallel to the base then the true shape will be

A. Parabola	B. **Circle**	C. Isosceles Triangle	D. Regular Triangle

5 The angle between each axis for an isometric drawing is _____.

A. 90 degrees	B. **120 degrees**	C. 180 degrees	D. 60 degrees

6 Representative fraction is ratio of

A. Maximum length/Minimum length	B. Actual length of object/Length of object in drawing	C. **Length of object in drawing/Actual length of object**	D. All of these

7 Scale used when the lengths are required in three consecutive units is

A. Plain	B. Vertical	C. **Diagonal**	D. Vernier

8 In first angle projection system, plan is drawn

A. Above Elevation	B. **Below Elevation**	C. Left of the Elevation	D. Right of the Elevation

9 Dashed line is used to draw…

A. Outer Edges	B. Projections	C. Center & Center axis	D. **Hidden faces**

10 A solid is said to be a right solid if

A. **Axis is perpendicular to its base**	B. Parallel to its base	C. Inclined to its base	D. All of these

11 If the value of Eccentricity is greater than 1 curve will be

A. Ellipse	**B.** Parabola	**C.** **Hyperbola**	**D.** Circle

12 The curve traced out by a point which moves uniformly both about the centre and at the same time away or toward the centre is

A. Cycloid	**B.** Logarithmic Spiral	**C.** Involute	**D.** **Archemedian Spiral**

13 When a line is inclined to VP and parallel to HP, the front view will be _____ to xy

A. **parallel**	**B.** perpendicular	**C.** inclined at angle f	**D.** non on these

14 Second angle projection is not used because

A. Plan is above xy	**B.** **both views overlap each other**	**C.** elevation is above xy	**D.** views are small in size

Winter 2013 Sem-1

1 In the first angle projection method, the view seen from left is placed on

A. Above Front View	**B.** **Right of Front View**	**C.** Above Top View	**D.** Below Front View

2 While drawing the isometric view of the sphere, its diameter is taken as

A. Equal to actual diameter	**B.** **11/9 times of the actual diameter**	**C.** 21/9 times of the actual diameter	**D.** none of the above

3 A French curve is used to draw

A. Circles	**B.** Ellipses	**C.** **Smooth freefrom curves**	**D.** Polygon

4 Which one of the following is not a reduction scale ?

A. **1:1**	**B.** 1:200	**C.** 5/320	**D.** 5:6

5 If the generating point is on the generating circle and the generating circle is outside the directing circle, the curve obtained is:

A. Inferior hypotrochoid	**B.** **epicycloids**	**C.** hypocycloid	**D.** superior trochoid

6 To obtain the true shape of the section of solid, an auxiliary plane is set

A. Inclined at an angle of 45º to a cutting plane	**B.** parallel to XY	**C.** **Parallel to a cutting plane**	**D.** perpendicular to a cutting plane

7 If a line is inclined to the Vertical Plane and parallel to Horizontal Plane, then which of the following statements is always CORRECT ?

A. **True Length = Plan Length**	**B.** True Length ? Plan Length	**C.** True Length > Elevation Length	**D.** True Length = Elevation Length

Winter 2014 Sem-1

1 Name the solid formed by revolving right angle triangle with one of its perpendicular side fixed.

A. **Cone**	**B.** Tetrahedron	**C.** Cylinder	**D.** Octahedron

2 To draw the leader line, which type of the following line is used?

A. Continuous thick line	**B.** Continuous thin wavy line	**C.** Long chain thin line	**D.** **Continuous thin line**

3 If the object lies in the second quadrant, its position with respect to reference plane will be

A. In front of V.P. and above H.P	**B.** Behind V.P. and below H.P	**C.** In front of V.P. and below H.P	**D.** **Behind V.P. and above H.P**

4 When the drawing are drawn smaller than the actual size of object then scale is known as

A. **Reduced Scale**	**B.** Full Scale	**C.** Enlarged Scale	**D.** None of Above

5 A curved traced out by a point which moves uniformly both about the centre and at the same time away or towards the centre is known as

A. Involute	**B.** Cycloid	**C.** **Archemedian spiral**	**D.** None of above

6 The isometric view of a vertical line is represented at an angle of _____ in front view and having a length _____ the original length of line.

A. 30º, Same as	**B.** **90º, Same as**	**C.** 30º, Less than	**D.** 90º, Less than

7 In a third angle projection method, right hand side view of an object is drawn _____ front view.

A. Left side of	**B.** Rear side of	**C.** **Right side of**	**D.** None of above

8 If the 10 m length is represented as 1 mm on the map then representative fraction is

A. 1/100 B. 1/10 C. 1/1000 D. **None of above**

9 Fourth angle projection is not used because

A. Front view is above reference line and top view is below reference line B. Top view is above reference line and front view is below reference line C. **Front view and top view both overlap on each other and below reference line** D. Front view and top view both overlap on each other and above the reference line

10 When the cone, resting on base on V.P., is cut by section plane parallel to V.P. then the true shape is _____ and can be seen in _____ view.

A. **Circle, Front** B. Ellipse, Top C. Ellipse, Front D. Circle, Top

11 The eccentricity of which of the following curve is greater than one?

A. Ellipse B. **Hyperbola** C. Parabola D. None of above

12 The isometric projection of 90 mm line is _____ mm.

A. **30*(6)(1/2)** B. 30*(2)(1/2) C. 30*(3)(1/2) D. None of above

13 For the third angle projection method, Which of the following is correct?

A. Observer - Object – Plane B. **Observer – Plane – Object** C. (a) and (b) both D. None of above

14 When the front view of line having a length less than the original length then which of the following is correct?

A. Line is inclined to H.P. B. Line is inclined to V.P. C. Line is inclined to both H.P. and V.P. D. **(b) and (c) both**

Winter 2015 Sem-1

1 When a cone is cut by a plane perpendicular to base passing through the apex "the shape of section obtained is

A. ellipse B. parabola C. hyperbola D. **triangle**

2 In the third angle projection method, the view seen from left is placed on

A. Left of the Front View B. **Right of Front View** C. Right of Top View D. Below Front View

3 A French curve is used to draw

A. Circles B. Ellipses C. **Smooth curves** D. Polygon

4 When the diameter of the directing circle is twice the diameter of rolling circle the hypo cycloid obtained is a

A. Circle B. **Straight line** C. Parabola D. Hyperbola

5 To obtain the true shape of the section of solid, an auxiliary plane is set

A. Inclined at an angle of 45o to a cutting plane B. parallel to XY C. **Parallel to a cutting plane** D. perpendicular to a cutting plane

6 A square plate of negligible thickness is inclined to HP and parallel to V.P. The front view will appear as

A. rhombus B. square C. **line** D. rectangle

7 Length of a line 'L' in isometric drawing or view will be

A. 0.707 L B. 0.815 L C. 0.866 L D. **equal to length L**

8 The angle between isometric axis is

A. 30⁰ B. 90⁰ C. **120⁰** D. 180⁰

9 Which one of the following is not a reduction scale ?

A. **1:1** B. 1:200 C. 5/320 D. 5:6

10 When a line is inclined to VP and parallel to HP, the front view will be _____ to xy.

A. **parallel** B. perpendicular C. inclined at angle f D. none of the above

11 While drawing the isometric view of the sphere, its diameter is taken as

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12 The isometric view of a vertical line is represented at an angle of _____ in front view and having a length _____ the original length of line.

    A. 30º, Same as   **B.** 30º, Less than   **C.** **90º, Same as**   **D.** 90º, Less than

13 When the cone, resting on base on V.P., is cut by section plane parallel to V.P. then the true shape is _____ and can be seen in _____ view.

    A. **Circle, Front**   **B.** Ellipse, Front   **C.** Ellipse, Top   **D.** Circle, Top

14 For the third angle projection method, Which of the following is correct?

    A. Observer - Object – Plane   **B.** **Observer – Plane – Object**   **C.** (a) and (b) both   **D.** None of above