Assignment 3

DUE: 2022-10-07, 23:59 IST

1. The sectors subtended by the intersection of right circular cones to a plane in different positions relative to the axis of the cone is viewed as: (1) a) Circle at centre (2) Convex cone (3) Conic section (4) Circular sector

   The answer is: (1) a) Circle at centre

2. The vertex of the cone at an angle equal to the axis of the cone, that ________ is formed
   A) Parabola
   B) Hyperbola
   C) Ellipse
   D) Sphere

   The answer is: C) Ellipse

3. The distance from the focus to 18 only and the distance from the vertex to 25 units, then what is the eccentricity?
   A) 1
   B) 0.25
   C) 0.75
   D) 0.5

   The answer is: D) 0.5

4. The primary view is presented
   A) Isometric
   B) Orthographic
   C) Conformal
   D) Perspective

   The answer is: A) Isometric

5. The following view shows which part of the ground on the area of the ground made has to be ________ of the ground made on the area shown from the 1st projection point?
   A) less than the first
   B) closer to the first
   C) closer to the second
   D) equal to the first

   The answer is: D) equal to the first

6. Which of the following steps of construction is incorrect, while using the tangent method for construction of parabola?
   A) Draw the base and axis
   B) Mark the vertex of the parabola
   C) Draw a line from the vertex parallel to the axis
   D) Mark the points A and B on the circumference circle

   The answer is: C) Draw a line from the vertex parallel to the axis

7. An accurate curve is prepared when
   A) There is a smooth curve joining the circumference circle of the circle and the diameter
   B) There is a smooth curve joining the circumference circle of the circle and the diameter
   C) There is a smooth curve joining the circumference circle of the circle and the diameter
   D) There is a smooth curve joining the circumference circle of the circle and the diameter

   The answer is: B) There is a smooth curve joining the circumference circle of the circle and the diameter

8. The curve is used in a bow stringing such as a bow that its movement towards or away from the axis is uniform with the increase in the transverse angle. The new bowing is known as
   A) Bowing
   B) Bowing
   C) Bowing
   D) Bowing

   The answer is: A) Bowing

9. What is the length and breadth of a rectangle is known, then considering the rectangle method for construction of parabola what on the following parameters is required?
   A) Top vertices of the rectangle
   B) Length of the base and perpendicular
   C) Length of the base and perpendicular
   D) Distance between the focus and the directrix

   The answer is: A) Top vertices of the rectangle

10. The sector subtended by the intersection of right circular cones to a plane in different positions relative to the axis of the cone is viewed as: (1) a) Circle at centre (2) Convex cone (3) Conic section (4) Circular sector

    The answer is: (4) Circular sector

11. The eccentricity is given as the ratio of the distance of the foci point on the line from the line at right angles to each other is always constant. The fixed line is called 2x6

    The answer is: 2x6

12. The hyperbola is given as a set of equations using Foci-Directrix method if the distance between Foci and directrix is 25 and the semi-major axis has been given as 2

    The answer is: 2x2

13. The number of degrees in the given distance and measurement of each sector is
   A) 75
   B) 50
   C) 50
   D) 75

    The answer is: D) 75

14. The eccentricity is given as the ratio of the distance of the foci point on the line from the line at right angles to each other is always constant. The fixed line is called 2x6

    The answer is: 2x6

15. The sector subtended by the intersection of right circular cones to a plane in different positions relative to the axis of the cone is viewed as: (1) a) Circle at centre (2) Convex cone (3) Conic section (4) Circular sector

    The answer is: (4) Circular sector

16. The sector subtended by the intersection of right circular cones to a plane in different positions relative to the axis of the cone is viewed as: (1) a) Circle at centre (2) Convex cone (3) Conic section (4) Circular sector

    The answer is: (3) Conic section

17. The sum of the focal distances of any point on an ellipse is constant and equals the length of the ________
   A) Ellipse
   B) Hyperbola
   C) Parabola
   D) Hyperbola

    The answer is: A) Ellipse

18. The sector subtended by the intersection of right circular cones to a plane in different positions relative to the axis of the cone is viewed as: (1) a) Circle at centre (2) Convex cone (3) Conic section (4) Circular sector

    The answer is: (2) Convex cone

19. The sector subtended by the intersection of right circular cones to a plane in different positions relative to the axis of the cone is viewed as: (1) a) Circle at centre (2) Convex cone (3) Conic section (4) Circular sector

    The answer is: (3) Conic section

20. The sector subtended by the intersection of right circular cones to a plane in different positions relative to the axis of the cone is viewed as: (1) a) Circle at centre (2) Convex cone (3) Conic section (4) Circular sector

    The answer is: (4) Circular sector

21. The sector subtended by the intersection of right circular cones to a plane in different positions relative to the axis of the cone is viewed as: (1) a) Circle at centre (2) Convex cone (3) Conic section (4) Circular sector

    The answer is: (1) a) Circle at centre