Day and Date: Friday, 25-03-2022   **Total Marks: 50**

Time: 11.00 am to 12.00 pm

Answer Key

			Correct Option
Q. 1)	The cross-section gives a _____ when the cutting plane is parallel to axis of cone.		B
	A) Parabola	B) Hyperbola	
	C) Circle	D) Ellipse	
Q. 2)	For the hyperbola, distance between directrix to focus is 90 mm and directix to vertex is 30 mm . eccentricity of hyperbola is		C
	A) 90/30	B) 30/60	
	C) 60/30	D) None of the above	
Q.3)	Drawing pencils are graded according to increase in relative _____		D
	A) Diameter	B) Colour	
	C) Length	D) Hardness	
Q. 4)	Match the following. A. E < 1 i. Rectangular hyperbola B. E = 1 ii. Hyperbola C. E > 1 iii. Ellipse D. E > 1 iv. Parabola		C
	A) A, i; B, ii; C, iii; D, iv	B) A, ii; B, iii; C, iv; D, i	
	C) A, iii; B, iv; C, ii; D, i	D) A, iv; B, iii; C, ii; D, i	
Q. 5)	Choose the correct option.		B
	A) Eccentricity= distance of point from focus/ distance of point from vertex	B) eccentricity= distance of point from focus/ distance of point from directrix	
	C) eccentricity= distance of point from directrix / distance of point from focus	D) eccentricity= distance of point from lacus rectum / distance of point from focus	
Q. 6)	A line AB, 90mm long, is inclined at 30 to the HP. Its end A is 12mm above the HP and 20mm in front of the VP. Its FV measures 65mm. determine its inclination in degree with the VP.		B
	A)37	B)44	
	C)52	D)60	
Q. 7)	If a line AB parallel to both the horizontal plane and vertical plane then the line AB is _____		C
	A) parallel to profile plane	B) lies on profile plane	
	C) perpendicular to profile plane	D) inclined to profile plane	

Q. 8)	When the line is parallel to VP and perpendicular to HP, we can get its true length in		C
	A) Front view	B) Side view	
	C) Both 'a' and 'b'	D) Top view	
Q. 9)	When a surface of the plane is inclined to the V.P and an edge is parallel to the V.P and inclined to H.P. The projections are drawn in 3 stages.		A
	A) True	B) False	
	C)Can not say	D) None of the above	
Q. 10)	A line NS, 80mm long has its end N, 10mm above the HP and 15mm in front of the VP. The other end S is 65mm above the HP and 50mm in front of the VP. Draw the projections of the line and find its true inclinations with the HP and VP.		D
	A) θ= 52° , φ= 36°	B) θ= 32° , φ= 36°	
	C) θ= 42° , φ= 46°	D) θ= 42° , φ= 26°	
Q. 11)	Which of the following position is not possible for a right solid?		D
	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	
Q. 12)	When a solid is placed such that axis is inclined with both the H.P and V.P. Its projections are drawn in _____ stages.		D
	A) 1	B) 4	
	C) 2	D) 3	
Q. 13)	Circular plane of diameter 50 mm inclined 30 degree with HP and parallel to VP. what will length of major axis of ellipse in top view.		D
	A) 35 mm	B) 25 mm	
	C) 45 mm	D) 50 mm	
Q. 14)	The top views of 1st and 2nd stages of regular cone, has its axis inclined at 30 degrees with H.P while drawing orthographic projections are _____		B
	A) Circle, triangle	B) Circle, triangle with base as ellipse	
	C) Triangle, triangle with base as ellipse	D) Triangle, triangle	
Q. 15)	The front view, side view and top view of a cylinder standing on horizontal plane on its circular base		B
	. A) Circle, rectangle and rectangle	. B) Rectangle , rectangle ,Circle	
	C) Rectangle, circle and rectangle	D) None of the above	
Q. 16)	The straight line which are drawn from various points on line contour of an object to meet a plane are called		A
	A) Projectors	B)Perspective line	
	C) Straight line	D) Hidden line	
Q. 17)	Internal angle of regular pentagon is ----------		B
	A) 72⁰	B) 108⁰	
	C) 150⁰	D) 120⁰	
Q. 18)	In 1st angle projection the positions of front and top views are _____		B
	A) top view lies above the front view	B) front view lies above the top view	
	C) front view lie left side to top view	D) top view lie left side to front view	
Q. 19)	The positions of right side view and front view of an object kept in 1st quadrant and projection are drawn?		B

	A) Right side view is right side of front view	B) Right side view is left side of front view	
	C) Right side view is above the front view	D) Right side view is below the front view	
Q. 20)	If an object is placed in 1st quadrant such that one of the surfaces of object is coinciding with vertical plane, what is the correct position of views from the following?		C
	A) The front view touches the reference line	B) The side view touches the reference line	
	C) The top view touches the reference line	D) The bottom view touches the reference line	
Q. 21)	Which method of development is employed in case of prisms?		A
	A) Parallel-line development	B) Approximation method	
	C) Triangulation development	D) Radial-line development	
Q. 22)	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
	A) circumference	B) area	
	C) diameter	D) radius	
Q. 23)	The development of lateral surface of a pyramid consists of a number of equal _____triangle in contact.		B
	A) equilateral	B) isosceles	
	C) scalene	D) right angled	
Q. 24)	The development of the surface of a cube consists of _____ equal squares, the length of the side of the squares being equal to the length of the edge of the cube.		C
	A) 2	B) 4	
	C) 6	D)8	
Q.25)	Regular cone of base of diameter 30 mm and height of 50 mm is cut by cutting plane with angle of 30^0 and cut the axis 20 mm from apex then sectional portion is		C
	A) Parabola	B) Hyperbola	
	C)Ellipse	D) Circle	