Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The equation of the tangent at vertex to the parabola is y2 = -8(x -3)	A. y=0 B. x=3 C. x=1 D. x=5
2	Question Image	
3	Question Image	A. Reflexive property B. Symmetric property C. Transitive property D. Additive property
4	Question Image	A. real part of z B. imaginary part of z C. conjugate of z D. modulus of z
5	Let A,B and C be any sets such that A∪B = A∪C and A∩ B = A∩ C then	A. A = B B. B = C C. A≠ C D. A ≠ B
6	The sum of all positive integral multiple of 5 less than 100 is	A. 950 B. 760 C. 1230 D. 875
7	The parabola y2 + 2y + x = 0 lie in _____ quadrant.	A. First B. Second C. Third D. Fourth
8	If the cutting plane is slightly tilted and cuts only one nappe of the cone, the intersection is	A. an ellipse B. a hyperbola C. a circle D. a parabola
9	The sets {1, 2, 4} and {4, 6, 8, 10} are	A. Equal sets B. Equivalent sets C. Disjoint sets D. Over lapping sets
10	Question Image	
11	The expression x2 - x + 1 has	A. One proper linear factor B. No proper linear factor C. Two proper linear factors D. None of these
12	A triangle has six	A. side B. elements C. angle D. tangents
13	If $f(x) = ax^2$, and a>0, then the lowest point on the parabola is called.	A. Vertex of parabola B. Co-ordinates of parabola C. Roots of the equation D. Coefficient of the equation
14	Question Image	
15	Question Image	A. Conclusion B. Implication C. Antecedent D. Hypothesis
16	The first three terms in the expansion of $(1 + x)^{-1}$are	A. 1 + x + x² B. 1 - x - x² C. -1 -x + x² D. 1 - x + x²
17	$_e$ is a	A. variable B. Positive constant C. Positive variable

		D. Directrix
18	*P∉A means*	A. Pis subset of A B. Pis an element of A C. P does not belongs to A D. A does not element of P
19	For all points (x,y) in fourth quadrant	A. x > 0 , y < 0 B. x > 0 , y > 0 C. x < 0 , y < 0 D. x < 0 , y > 0
20	Question Image	