Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. Polynomial B. Equation C. Improper rational fraction D. Proper rational fraction
2	Question Image	A. 0 B. 1 C. -1 D. undefined
3	The graph of y> 0 is the upper - half of:	A. y-axis B. x-axis C. 1st and 4th quandrant D. 2nd and 3rd quadrant
4	Question Image	
5	$\forall x,y \in R$ and $x < 0, y < 0$, which one is true	A. xy < o B. xy = o C. xy > o D. None of these
6	Only one of the root of $ax^2 + bx + c = 0$, $a \neq 0$ is zero if	A. c = 0 B. c = 0,b≠ 0 C. b = 0,c = 0 D. b = 0,c≠ 0
7	The inclination of a line parallel to y-axis is	
8	The velocity of a particle moving along a straight line is given by $v = 3t + t^2$. The acceleration of the particle after 4 seconds from the start is	A. 4 B. 11 C. 26 D. None
9	Tan 30° = _____	
10	Question Image	A. Reflexive property B. Symmetric property C. Cancellations property w.r.t. addition D. Transitive property
11	(n + 2) (n + 1)n in factorial form is	
12	The upper 3/4 the portion of a vertical pole subtends an angle $\tan^{-1}3/5$ at a point in the horizontal plane through its foot and at a distance 40 m from the foot. A possible height of the vertical pole is	A. 20 m B. 40 m C. 60 m D. 80 m
13	Question Image	
14	If A is a set then any subset R of A x A is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A
15	For trival solution |A| is	A. A B. |A| is non zero C. A = 0 D. None of these
16	$w^{11} =$ _____	A. 0 B. 1 C. w D. w^2
17	Question Image	
18	Question Image	
19	The vertex of the graph of the quadratic function $f(x) = x^2 -10$, is	A. (0 , -10) B. (-10,0) C. (10,0) D. (0,10)

20	Question Image	A. 2x - 3x + c
		C. x^2- 3x + c