Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of above
2	Question Image	
3	Question Image	
4	Co-ordinate of a point on the parabola $y^2 = 8x$ whose focal distance is 4 are:	A. (2 , 4) B. (-2 ,-4) C. (-2, 4) D. (2,-4)
5	$(51)^4$is equal to	A. 7065201 B. 8065201 C. 6765201 D. 6565201
6	With usual notations b2 = a2 + c2 -2ac cos is called_____;	A. None of these B. Law of sines C. Law of consines D. Law of tangents
7	If $2x^{1/3}+ 2x^{-1/3}= 5$, then x is equal to	A. 1 or -1 B. 2 or 1/2 C. 8 or 1/8 D. 4 or 1/4
8	A sequence whose reciprocal is an A.P is called	A. Oscillator B. H.P C. G.P D. None of these
9	Question Image	A. -1 B. 0 C. 2 D. 1
10	A square is inscribed in the circle $x^2+ y^2- 2x + 4y + 3 =0$. Its sides are parallel to the co-ordinate axes. Then one vertex of the square is	
11	How many numbers are there between 103 and 750 which are divisible by 6	A. 125 B. 107 C. 108 D. 113
12	For any set X, $X \cup X$ is	A. X B. X' C. Φ D. Universal Set
13	f(x) = 1 is	A. identity function B. constant function C. linear function D. quadratic function
14	cos 2α=	A. 1 - 2 sin²α B. sin ²α+ cos²β C. sin²α- cos²<span style="font-family: "Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255,

		248); >p D. None of these
15	The line through the focus and perpendicular to the directrix is called _____ of the parabola	A. axis B. focal chord C. tangent D. latus rectum
16	Which of the following is a vector.	A. distance B. temperature C. energy D. acceleration
17	The function {f(x,y)|y = ax2 +bx +c} is	A. One-one function B. Constant function C. Onto function D. Quadratic function
18	The roots of the equation ax^2+ bx + c = 0 are real and equal if	A. b²- 4ac < 0 B. b²- 4ac = 0 C. b²- 4ac > 0 D. None of these
19	The distance between the points (0 , 0) and (1, 2) is	A. 5 C. 0 D. 3
20	Question Image	