Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	When the angle between the ground and the sun is $30^\square$, flag pole costss a shadow of 40 mg long. the height of the top of the flag is	A. 25m B. 23m C. 12m D. 29m
2	The point of concurrency of the medians of the $\triangle ABC$ is called its	A. Orthocenter B. Centriod C. Circumcentre D. Incentre
3	Question Image	A. 0 B. -1 C. 1 D. 1/2
4	Sin 45° = _____	
5	A circle passing through the vertices of any triangle is called _____	A. In circle B. Circum circle C. Escribed circle D. None of these
6	Question Image	
7	$i =$	A. $\sqrt{1}$ B. $\sqrt{2}$ C. $\sqrt{-2}$ D. $\sqrt{-1}$
8	Question Image	A. Symmetric property B. Cancellation property w.r.t. multiplication C. Reflexive property D. Transitive property
9	If $s = 2t^3 - 3t^2 + 15t - 8$ is the equation of motion of a particle, then its initial velocity is	A. 8 B. 15 C. -6 D. None
10	Question Image	A. a B. 2a C. 3a D. 4a
11	$(x + 2)^2 = x^2 + 4x + 4$ is	A. A linear equation B. A cubic equation C. A quadratic equation D. None
12	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
13	The root of the quadratic equation are	A. 3 B. 2 C. 1 D. 4
14	Question Image	A. Orthogonal B. Involutary C. Idempotent D. Nilpotent
15	The velocity and acceleration at any point t of a particle which moves along straight line x = 5r-3	A. 5,3 B. 5,-3 C. 5,0 D. 10,0
16	The period of $|\sin 2x|$ is	A. $\pi/2$ B. $-\pi/2$ C. π D. $\pi/3$

17	Question Image	A. 8 B. 1/56 C. 56 D. None of these
18	Conic sections or simply conics are the curves obtained by cutting a right circular cone by	A. a line B. two lines C. a plane D. two planes
19	$\int f(x)$ is known as:	A. Definite itegral B. Indefinite integral C. Fixed integral D. Multiple integral
20	If n is any positive integer then $n^2 > n + 3$ for	