

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. Parallel to the plane B. At right angles to the plane C. Lies in the plane D. Meet the plane obliquely
2	Question Image	A. 8 C. 4 D. 64
3	For an A.P common difference d	A. Can be zero B. May or may not zero C. Cannot be zero D. None of these
4	In R, the multiplicative inverse of a is	A. 0 B. 1 C. -a D. $1/a$
5	The distance between the points A(3,1) and B(-2,-4) is	A. 5 C. 25 D. 10
6	The equation of the tangent at vertex to the parabola is $y^2 = -8(x - 3)$	A. $y=0$ B. $x=3$ C. $x=1$ D. $x=5$
7	If P, Q, R be the A.M., G.M., H.M. respectively between any two rational numbers a and b, then P - Q is	
8	Question Image	
9	An event having more than one sample point is called	A. Certain event B. Compound event C. Simple event D. None
10	Question Image	A. 0 B. $-1 - w^{>2}$
11	Question Image	
12	The locus of intersection of perpendicular tangents to the parabola $y^2 = 4ax$ is:	A. Axis of the parabola B. Focal chord of the parabola C. The tangent at vertex of the parabola D. a directrix of the parabola
13	Question Image	B. 0 C. 1 D. undefined
14	Question Image	A. 405 / 256 B. 504 / 259 C. 450 / 263 D. None
15	Question Image	
16	A vertical pole is 8m high and the length of its shadow is 6m. The angle of elevation of the sun of the moment is	A. 57° B. 48° C. 27° D. 53°
17	Question Image	
18	The straight line passing through the focus and perpendicular to the directrix of the conic is known as its	A. Tangent B. axis C. Focal chord D. major or minor axis
		A. real number

19

Question Image

- B. complex number
- C. rational number
- D. irrational number

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The only function which is both even and odd is

- A. $f(x) = \alpha$
- B. $f(x) = x$
- C. $f(x) = 0$
- D. Both A & B