

## Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Question Image	A. An irrational number B. Whole number C. A positive integer D. A rational number
2	Question Image	
3	Question Image	
4	Question Image	A. A < G < H B. A > G > H C. A < G > H D. A > G < H
5	Question Image	
6	Question Image	D. None
7	If A and B are matrices of same order than (,A + B)(A + B) =	A. A <sup>2</sup> + B <sup>2</sup> B. A <sup>2</sup> + B <sup>2</sup> + 2AB C. A + B D. A <sup>2</sup> + B <sup>2</sup> + AB + BA
8	Two dice are rolled. The number of possible outcome in which at least one die shows 2 is?	A. 5 B. 12 C. 11 D. 7
9	A vector of magnitude zero is called	A. Position vector B. Null vector C. Free vector D. None of these
10	The Domain of $f(x) = \log x$ is	
11	Question Image	A. 0 B25 C. 5 D. 45
12	The mid point of the line joining (-1, -3) to (3, -5) is	A. (1, 1) B. (1, -1) C. (2, -8) D. (1, -4)
13	Question Image	D. None of these
14	Question Image	B3/4 C. 1/16 D. 1/4
15	3/2 is	A. An irrational number B. Whole number C. A positive integer D. A rational number
16	Which of the vectors have opposite direction?	D. Both A and B
17	The perpendicular bisector of any chord of a circle	A. Passes through the centre of the cirle B. Does not pass through the centre of the circle C. May or may not pass through the centre of the cirlce D. None of these
18	The nth term in G.P 3,-6,12, is	A. 3(-2) <sup>n-1</sup> B. 2(-2) <sup>n+1</sup> C. 3(-2) <sup>n</sup> D. 4(-2) <sup>n-1</sup>

19	The difference of two consecutive terms of an A.P. is called	A. Constant of series B. Common ratio C. Common difference D. General term
20	In Binomial Expansion the coefficients of the terms equidistant from beginning and end of the expansion are	A. Zero B. Same C. Equal to preceding term D. Equal to following term