

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	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
3	One minute is denoted by	A. $1^{>0}$ B. 1' C. 1" D. None of these
4	Question Image	A. 1 B. 0 C. 3 D. -3
5	Question Image	A. 0 B. 1 D. -1
6	Question Image	
7	Question Image	
8	Every identity matrix is	A. Row-vector B. Scalar C. Column-vector D. All
9	The set $\{1, -1, i, -i\}$	A. Form a group w.r.t addition B. Form a group w.r.t multiplication C. Does not form a group w.r.t multiplication D. Not closed under multiplication
10	Question Image	A. 1 B. 2 C. 3
11	A box contains 10 red 30 white and 20 black marbles When a marble is drawn at random the probability that it is either red or white is	A. $1/6$ B. $1/3$ C. $1/2$ D. $2/3$
12	Question Image	A. $1/8$ B. $1/2$ C. $1/4$ D. $1/6$
13	The 5th and 13th terms of an A.P are 5 and -3 respectively The first term of the A.P is	A. 1 B. -15 C. 9 D. 2
14	Question Image	
15	The product of complex numbers (a,b) and (c,d) is	A. (ac, bd) B. (ac-bd, ad+bc) C. (ab, cd) D. (ac+bd, ad-bc)
16	Question Image	D. all are correct
17	Question Image	A. 2π B. 2π C. 2π

18 The point R dividing internally the line joining the points $P(x_1, y_1)$ and $Q(x_2, y_2)$ in the ratio $K_1: K_2$ has the coordinates

19 Two unbiased dice are thrown. The probability that the total score is > 5 is

- A. $1 / 18$
- B. $7 / 18$
- C. $13 / 18$
- D. $11 / 18$

20 

- A. 0
- C. 1