

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	$p(x) = 2x^4 - 3x^3 + 2x - 1$ is polynomial of degree	A. 1 B. 2 C. 3 D. 4
3	The exact value of $\cos^{-1}(-1) + \cos^{-1}(1) =$	A. π B. $-\pi$ C. $\pi/2$ D. $\pi/3$
4	Question Image	A. -1 B. 0 C. 1 D. undefined
5	Question Image	A. $a \cos(ax + b) + c$ B. $-a \cos(ax + b) + c$
6	The number of words that can be formed out of the letters of the word ASSASSINATION is	
7	The seventh term of an A.P whose first term is P and common difference is q. is	A. $P-6q$ B. $P+6q$ C. $P-4q$ D. $P-nq$
8	We solve the system of non-homogeneous linear equations by	A. a and b B. b and c C. c and a D. a, b and c
9	A function whose range is just one elements is called	A. One-one function B. Constant function C. Onto function D. Identity function
10	Question Image	A. 6 C. 20 D. 0
11	Three dice are thrown together. The probability of getting a total of at least 6 is	A. $103 / 108$ B. $10 / 216$ C. $93 / 108$ D. None of these
12	If $x^2 - 7x + a$ has remainder 1 when divided by $x + 1$, then $a =$ _____	A. -7 B. 7 C. 0 D. None of these
13	Number of combination of zero or more things out of n different things	A. nP_n B. nP_r C. nC_r D. 2^n
14	H.M. between 3 and 7 is	
15	Considering Cosine Rule of any triangle ABC, possible measures of angle A includes	A. Angle A is obtuse B. Angle A is acute C. Angle A is right-angle D. All of above
16	Question Image	
17	$\sin^2 \alpha \cos^2 \alpha =$	A. -1 B. 0 C. 1 D. None of these

18	The symbol of irrational is	A. W B. N C. Q D. \mathbb{Q}
19	If 5,7 and 9 are A.Ms between a and b, then a and b is equal to	A. 2 and 12 B. 1 and 10 C. 3 and 11 D. -7 and 2
20	The mid point of the line joining the points $P(x_1, y_1)$ and $Q(x_2, y_2)$ is	
