Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The exact value of cos-1 (0) is	A. π/2 B. -π/2 C. 3π D. π-π/6
2	Question Image	
3	Question Image	
4	The angle of depression of a point A on the ground from the top of the tower is 30□,then the angle of elevation of the top of the tower at the point A is	A. 60□ B. 40□ C. 41□ D. 30□
5	A circle drawn inside a triangle and touching its sides is called	A. In-circle B. Circum circle C. Escribed circle D. None of these
6	Question Image	
7	It is not possible to find the exact value of	A. π B. $\sqrt{9}$ C. $\sqrt[3]{27}$ D. $\sqrt{1}$
8	Write the first four terms of the sequence if $a_n = (-1)^n n^2$	A. -1, 4, -9, 16 B. 1, -4, 9, 16 C. 1, 4, 9, 16 D. None of these
9	$\sin^2\alpha\cos^2\alpha =$	A. -1 B. 0 C. 1 D. None of these
10	Question Image	A. 11 B. 61 D. 1
11	A combination lock on a suitcase has 3 wheels each labeled with nine digits from 1 to 9. If an opening combination is a particular sequence of three digits with no repeats, the probability of a person guessing the right combination is	A. 1 / 500 B. 1 / 504 C. 1 / 252 D. 1 / 250
12	The 26th term of the A.P -2,-4,10,.............is	A. 136 B. -136 C. 148 D. -148
13	Question Image	A. 2 x 2 B. 2 x 3 C. 3 x 2 D. 3 x 3
14	Question Image	
15	n!/(n-1)!=	A. n B. n! C. (n-1)! D. 0!
16	Each complex cube root of unity is square of	A. itself B. 1 C. -1 D. the other
17	∫ x cos dx is equal to :	A. x cos x + sin x B. cos x + x sin x C. x cos x + x sin x D. x sin x + cos x
18	Question Image	

19	Question Image
20	Question Image