




Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	<p>A. A is proper subset of B</p> <p>B. A is an improper subset of B</p> <p>C. A is equivalent to B</p> <p>D. B is subset of A</p>
2	Sum of two quantities is at least 20 is denoted by	<p>A. $x + y = 20$</p> <p>B. $x + y \geq 20$</p> <p>C. $x + y \neq 20$</p> <p>D. $x + y \leq 20$</p>
3	The centroid of a triangle divides each median in the ratio	<p>A. 2 : 1</p> <p>B. 3 : 1</p> <p>C. 3 : 2</p> <p>D. 1 : 1</p>
4	Question Image	
5	Question Image	<p>A. $\frac{\pi}{4}$</p> <p>B. $\frac{\pi}{6}$</p> <p>C. $\frac{\pi}{3}$</p> <p>D. 0</p>
6	Two coins are tossed twice each. The probability that the head appears on the first toss and the same faces appear in the two tosses is	<p>A. $\frac{1}{4}$</p> <p>B. $\frac{1}{2}$</p> <p>C. $\frac{1}{3}$</p> <p>D. $\frac{1}{7}$</p>
7	Two unbiased dice are thrown. The probability that the total score is > 5 is	<p>A. $\frac{1}{18}$</p> <p>B. $\frac{7}{18}$</p> <p>C. $\frac{13}{18}$</p> <p>D. $\frac{11}{18}$</p>
8	In R the number of identity element w.r.t '+' is	<p>A. One</p> <p>B. Two</p> <p>C. Three</p> <p>D. Four</p>
9	If $u = xi + yj$, then $ u $	<p>A. $x^2 + y^2$</p> <p>B. $(x^2 + y^2)^2$</p> <p>C. $x^2 - y^2$</p> <p>D. $\sqrt{x^2 + y^2}$</p>
10	If $2 \tan^{-1}(\cos x) = \tan^{-1}(\operatorname{cosec}^2 x)$, then x is equal to	<p>A. $\frac{\pi}{3}$</p> <p>B. $\frac{\pi}{2}$</p> <p>C. $\frac{\pi}{4}$</p> <p>D. $\frac{\pi}{6}$</p>
11	Which of the following sets is infinite	<p>A. The set of students of your class</p> <p>B. The set of all schools in Pakistan</p> <p>C. The set of natural numbers between 3 and 10</p> <p>D. The set of all real numbers</p>

D. The set of rational numbers between 3 and 10

12	Multiplicative inverse of "1" is	A. 0 B. ± 1 C. 1 D. {0,1}
13	The multiplicative inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist
14	The transport of a null matrix is	A. Row matrix B. Column matrix C. Square matrix D. Null matrix
15	The perpendicular bisector of any chord of a circle	A. Passes through the centre of the circle B. Does not pass through the centre of the circle C. May or may not pass through the centre of the circle D. None of these
16		A. 0 B. 1 C. 1/2
17	An indicated sum of terms of a sequence is represented by	A. S_n B. a_n C. $S(n)$ D. $\{S_n\}$
18		A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
19	The function whose range consists of just one element is called	A. One-One Function B. Identity Function C. Onto Function D. Constant Function
20		A. 3 B. 6 C. 0 D. None of these