Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	When rational fraction is separated into partial fractions, the result is	A. an identity B. A fraction C. A partial sum D. Improper fraction
2	If -1 < x < 0, which of the following statements must be true?	A. x < x²< x³ B. x < x³< x² C. x²< x³< x D. x²< x < x³
3	*i* =	A. √1 B. √2 C. √-2 D. √-1
4	Question Image	A. R B. 2R C. r D. 2r
5	The towers each 120 meters high are 800 meters apart. The measure of the angle of elevation from the base of one tower to the top of the other is	A. 12[□] B. 9[□] C. 7[□] D. -120[□]
6	Power set of difference set N-W is	A. Empty set B. Infinite set C. Singleton set D. {0,∅}
7	If z_1 = 1 + 2i, z_2 = 3 + 4i then	A. z₁ > z₂ B. z₁ = z₂ C. z₁ < z₂ D. None of these
8	At a point 15 meters away from the base of a 15 meters high house, the angle of elevation of the top is	A. 90° B. 60° C. 30° D. 45°
9	The principal value of sin-1√(3/2) is	A. -π/3 B. π/3 C. 2π/3 D. π/2
10	A polynomial of arbitrary degree	A. f(x) = o B. f(x) = x C. f(x) = a D. f(x) = ax + b,a ≠ 0
		A. I andII quadrants B. <span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 18px;

11	Question Image	background-color: rgb(255, 255, 248);">II and III quadrants C. III andIVquadrants D. none of these
12	A relation in which the equality is true only for some values of the known is called _____	A. An identity B. An equation C. A polynomial D. None of these
13	Question Image	A. A finite non-empty set B. Null set C. Both a and b D. None of these
14	Question Image	A. 11 B. 61 D. 1
15	A key ring is an example of	A. Permutation B. Circular permutation C. Combination D. None
16	Question Image	
17	If there is one-one correspondence between A and B, then we write.	A. A = B B. A⊆ B C. A⊇ B D. A ~ B
18	Question Image	A. 5 / 12 B. 3 / 8 C. 5 / 8 D. 7 / 4
19	The equation of the circle with centre (-h, -k) and radius r is	A. (x +h)²+ (y+k)²= r² B. (x +h)²+ (y-k)²= r² C. (x -h)²+ (y+k)²= r² D. (x -h)²+ (y-k)²= r²

20 The number of words that can be formed out of the letters of the word ASSASSINATION is