Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	s > t then	A. (s - t)²> (t - s)² B. (s - t)²< (t - s)² C. (s - t)²= (t - s)² D. None
2	Question Image	D. none of these
3	Question Image	A. 0 B. 1 C. -1 D. None of these
4	Question Image	A. 12 B. 6 C. 8 D. none of these
5	E-radius corresponding to < A is	
6	If (0, 0) and (0, -1) are end points of a diameter, then the equation of the circle is	
7	A line segment whose end points lie on a circle is called	A. The secant of the circle B. The arc of the circle C. The chord of the circle D. The circumference of the circle
8	The polar form of complex number x ≠ I y =	A. r cos θ+ r sin θ B. r cos θ+ is sin θ C. cos θ+ r sin θ D. i cos θ+ i sin θ
9	If the lines 2x-3y-1=0,3x-y-5=0 and 3x+py+8=0 meet at a unique point then	A. p = -14 B. p = -1 C. p =0 D. p=12
10	Question Image	
11	Question Image	
12	If the cutting plane is slightly tilted and cuts only one nappe of the cone, the resulting section is:	A. an ellipse B. Circle C. a hyperbola D. a parabola
13	If a,β are the roots of the equation x2 + kx +12 = 0 such that a - β = 1, the value of k is	A. 0 B. ±1 C. ±5 D. ±7
14	The third term in the expansion of (1+2x) is	A. -2x2 B. -4x2 C. 2x2 D. 4x2
15	For each real number, there is a number which is its	A. Negative B. Possitive C. Opposite D. Similar
16	A card is drawn from a pack of cards numbered 1 to 52, the probability that the number on the card is a perfect square is	A. 1/13 B. 2/13 C. 7/52 D. None of these
17	Every recurring decimal represents	A. A natural number B. A rational number C. An irrational number D. A whole number
		A. 0

18	w^{11}= _____	B. 1 C. w D. w²
19	The distance of the point (2.3) from x-axis is	A. 2 B. 3 C. 5
20	The sum of all positive integral multiple of 5 less than 100 is	A. 950 B. 760 C. 1230 D. 875