Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A - B = _____	
2	Question Image	A. 0 B. 1
3	If the sum of even coefficients in the expansion of $(1+x)n$ is 128 then	A. n=7 B. n=9 C. n=8 D. None
4	Another name of quadratic equation is	A. Polynomial B. 2nd degree polynomial C. Linear equation D. simaltaneous equations
5	Question Image	
6	Question Image	
7	The sum if 1,3,5,7,9........ up to 20 terms is	A. 400 B. 472 C. 563 D. 264
8	The value of $\cos(\cos^{-1} 1/2)$ is	A. 1/2 B. $\sqrt{3}/2$ C. -1/2 D. $1/\sqrt{2}$
9	The sum of the odd coefficients in the expansion of $(a + x)^4$ is	A. 14 B. 12 C. 8 D. 4
10	64.A point (x, y, z) moves parallel to xy plane. Which of the three variables x, y, z remain fixed?	A. z B. x C. y D. x and y
11	Domain of sin x is _____	
12	For what value of k, 3x -2y+ k= 0 is tangent to the circle $x2 +y2 +6x -4y =0$	A. k=0 B. k=0 or 26 C. k = 26 D. k=-13
13	Question Image	
14	If $f(x) = x^3 - 2x^2 + 4x -1$ then f(0) is	A. 0 B. 1 C. -1 D. none of these
15	If n(X) = 18, n(X∩Y) = 7, n(X∪ Y) = 40 then n(Y) =	A. 1 B. 12 C. 5 D. 29
16	If (2, 3) and (2, 5) are end points of a diameter of a circle, then the centre of the circle is	A. (2, 4) B. (4, 8) C. (0, 2) D. (0, -2)
17	$(0.90)^{1/2}$ is equal to	A. 0.99 B. 0.90 C. 0.80 D. 0.88
18	Question Image	
19	$i^2 =$	A. 1 B. 2 C. -1 D. 0

| 20 | Question Image |