Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If $f(x) = x^2-x$ then $f(0)$ is	A. 0 B. 1 C. 2 D. 3
2	Question Image	
3	$(7, 9) + (3, -5) =$	A. (4, 4) B. (10, 4) C. (9, -5) D. (7, 3)
4	A subset of set of complex number whose elements are of the form (a,0) is called	A. Real number B. Complex number C. Rational number D. Irrational number
5	Circle $x^2 + y^2 - 2y - y = 0$ and $x^2 + y^2 - 8y - 4 = 0$:	A. Interesect B. touch externally C. touch internally D. do not touch
6	$\sin(\sin^{-1}(1/2))=$	A. 0 B. 2 C. ∞ D. 1/2
7	Question Image	
8	Question Image	A. 0 B. 1 C. 13
9	The corner point of the boundary lines, x- 2x x+2y=10 is:	A. (8,1) B. (1,8) C. (6,10) D. (3,5)
10	Question Image	
11	Question Image	A. $2s^2$ B. $2s^3$ C. s^3 D. $3s^3$
12	In R the right cancellation property w.r.t. addition is	
13	Which one is quadrantal angle	A. 8181710° B. 2345° C. -8181180° D. -2344°
14	Question Image	
15	The function sine and Cosine have the closed internal as their range	A. [1, 0] B. [-1, 1] C. [0, 1] D. [-1, 2]
16	Question Image	A. 1 B. 2 C. 3 D. 4
17	The solution of differential equation:	A. $dy/dx+y/x = x^2$ is : B. $4xy = x^4+ c$ C. $4x = x^4= c$ D. $4y = x^4+ c$ E. $4x=4x^3 + c$
18	How many term are there in the A.P, in which $a_1 = 11$, $a_n =68$, d=3	A. 30 B. 27 C. 20 D. 21

D. 21

19	The middle term in the expansion of $(a + x)^{12}$ is	A. 7th B. 8th C. 9th D. 6th
20	If the points (a,2b):(c,a+b):(2c-a,h) lie on the same line then	A. h=2a B. h=a+b C. h=ab D. h=ac