ECAT Pre Engineering Entry Test

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. U C. u/2 D. log u
2	Question Image	
3	Question Image	
4	Question Image	
5	Question Image	
6	Question Image	
7	Question Image	
8	Question Image	A. 1 B. 1/2 C. 0 D. None
9	Question Image	A. y/x B. x/y C. y/z D. None
10	Question Image	
11	Question Image	A. xy B. y C. 0 D. x
12	Question Image	A. 1 B. -1 C. -1/2 D. 1/2
13	Question Image	A. 2 B. 1 C. 5 D. 0
14	Question Image	A. 1/8 B. 1/2 C. 1/4 D. 1/6
15	Question Image	A. (1,7/3) B. (1, 7/5) C. (1, 11/7) D. (1, 3/5)
16	Question Image	A. R/[0,4] B. R/(0,4) C. (0,4) D. [0,4]
17	Question Image	A. Does not exist because f is unbounded B. Is not attained even though f is bounded C. Is equal to 1 D. Is equal to -1
18	Question Image	A. 3/4 B. r C. v D. None of these
		A. 0 B. 1 C. 8

19	Question Image	D. ∞
20	The area of circle of unit radius =	A. 0 B. 1 C. 4 D. π
21	Domain of y = scs x is	A. All real numbers except π/2 + n*π B. R C. All negative integers D. None of these
22	Graph of the question $x^2+ y^2= 4$ is	A. A circle B. An ellipse C. A parabola D. A square
23	Question Image	A. 1 B. 0 C. -2 D. 3
24	The range of inequality x + 2 > 4 is	A. (-1, 2) B. (-2, 2) C. (1,∞) D. None
25	A function F(x) is called even if	A. F(x) = F (-x) B. F(x) = F(-x) C. F(x) = -F(x) D. 2F(x) = 0
26	The domain of f(x) = log x is	A. [0,∞] B. (0,∞) C. [0,∞[D. [∞,∞]
27	Question Image	
28	Which is an explicit function	A. y = x²+ 2x - 1 B. x²+ xy + y²= 2 C. x²+ y²= xy + 2 D. All are
29	Which is not included in the domain of $\cos^{-1}x$	A. 0 B. 1 C. -1

		D. 2
30	$p(x) = 2x^4 - 3x^3 + 2x - 1$ is polynomial of degree	A. 1 B. 2 C. 3 D. 4