ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	3, 6, 12,.... is	A. A.P B. G.P. C. H.P. D. None of these
2	The harmonic mean between a and b is	
3	The value of 63^{o}in term ofπ is	A. 5π/2<img width="9" height="19" src="file:///C:/Users/Softsol/AppData/Local/Temp/msohtmlclip1/01/clip_image002.png" v:shapes="_x0000_i1025"> <!--[endif]--><o:p></o:p> B. 5π/3 C. 7π/20 D. 7π/3
4	The last term of (1+2x)-2	A. (-1)-2 (2x)-2 B. (-1)-4(-2x)-2 C. (-1)-3(2x)-3 D. Does not exist
5	The fifth term of (a+2x3)17 is	A. 4013 x3a13 B. 2208a13 x12 C. 223x7a18 D. 38080a13 x12
6	The number of 5-digit number that can be formed from the digits 1,2,4,6,8, when 2 and 8 are never together is	A. 72 B. 48 C. 144 D. 20
7	Question Image	A. 1/3 B. 1 C. 3 D. None of these
8	Name the property used in 4.1 + (-4.1) = 0	A. Additive inverse B. Multiplication inverse C. Additive identity D. Multiplication identity
9	Question Image	A. 3 B. 6 C. 0 D. None of these
10	Question Image	A. images B. pre-images C. constants D. none of these
11	If $f(x) = x^{2}$then f(0) is	A. 0 B. 1 C. 2 D. none of these
12	if tanθ = 8/15 and cosθ< 0 , then cscθ =	A. -8/15 B. 15/8 C. 3/15 D. -17/8
13	Question Image	A. Rule of quotient of fraction B. Golden rule of fraction C. Rule for product of fraction D. Principle for equality of fraction
14	Question Image	
15	Question Image	A. (2x+a+b+c) B. (a+b+c) C. (a+b+c+x) D. 0
16	If we have a statement "if p then q" then q is called	A. Conclusion B. Implication C. Unknown

		D. Hypothesis
17	Question Image	
18	Question Image	A. range of f B. domain of f C. both (a) and (b) D. none of these
19	How many comittees of 5 numbers can be chosen from a group of 8 players person when each committee must include 2 particular persons	A. 8! B. 5!3! C. 5! D. 20
20	Which of the following is the subset of all sets	A. Φ B. {1,2,3} C. {Φ} D. {0}