

ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	A. 2 B. 7 C. 8 D. 12
2	Question Image	A. $a \sin(ax + b) + c$ B. $-a \sin(ax + b) + c$
3	The fifth term of $(a+2x)^{17}$ is	A. $4013 x^3 a^{13}$ B. $2208 a^{13} x^{12}$ C. $223 x^7 a^{18}$ D. $38080 a^{13} x^{12}$
4	Question Image	A. an A.P. B. a G.P. C. a H.P. D. None of these
5	Question Image	A. Lies between 4 and 7 B. Lies between 5 and 9 C. Has no value between 4 and 7 D. Has no value between 5 and 9
6	A die is rolled. What is the probability that the dots on the top are greater than 4?	A. $\frac{1}{4}$ B. $\frac{1}{2}$ C. $\frac{1}{3}$ D. $\frac{1}{33}$
7	In natural logarithm the base is	A. 1 B. 0 C. 10 D. e
8	In R the number of identity element w.r.t '+' is	A. One B. Two C. Three D. Four
9	O is _____	A. A positive integer B. A negative integer C. A natural number D. An integer
10	Name the property used in $4.1 + (-4.1) = 0$	A. Additive inverse B. Multiplication inverse C. Additive identity D. Multiplication identity
11	Question Image	
12	What is the conjugate of $-6 - i$	A. $-6 + i$ B. $6 + i$ C. $-6 - i$ D. $6 - i$
13	Question Image	
14	Question Image	A. 0 B. 3 C. 9 D. -3
15	Question Image	
16	Point (2,0) lies on trigonometric function $f(x) = \underline{\hspace{1cm}}$;	A. $\sin x$ B. $\cos x$ C. $\tan x$ D. $\sec x$
17	The conjunction of $3 > 5$, and $5 > 9$, is	A. False B. True C. Disjunction D. Unknown

18	A rule that assigns to each elements x in X a unique element y in Y is called a _____	A. domain B. range C. function D. none of these
19	If $f(x) = -x^3$ then $f(-2)$ is	A. -2 B. -4 C. -8 D. 8
20	Question Image 	