ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	A. A,. B, C are coincident B. A, B, C are collinear C. Both A and B D. None of these
2	Which of the following is a vector.	A. distance B. temperature C. energy D. acceleration
3	The value of $\sin^{-1}$ 5/13 is equal to	A. Cos 5/13 B. Tan⁻¹ 5/12 C. cos⁻¹5/12 D. 2 cos⁻¹4/5
4	Question Image	A. 0 B. 20 C. 90 D. 80
5	Question Image	
6	If n is a negative integer n! is	A. 1 B. 0 C. Unique D. Not defined
7	Question Image	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse
8	The expansion of $(1 - 3x)^{-1}$is valid if	A. | x | < 1 B. | x | < 3 C. | x | < 1/3 D. None of these
9	If $(1+x-2x^3)^6= 1+a_1x + a_2x^2+ a_3x^3+$ ..... the the value of $a_2+ a_4+ a_6+$ .....+a_{12}will be	A. 32 B. 31 C. 64 D. 1024
10	Question Image	A. similar images B. distinct images C. similar range D. option a and c
11	Question Image	
12	The extraction of cube root of a given number is a	A. Unary Operation B. Binary Operation C. Relation D. None of these
13	For which of the following ordered pairs (s, t) is s + t > 2 and s - t < -3?	A. (3, 2) B. (2, 3) C. (1, 8) D. (0, 3)
14	Onto function is also called	A. Binjective function B. Injective function C. Surjechive function D. None of these
15	The geometrical representation of a linear function is	A. Circle B. Parabola C. Straight lie D. None of these
16	A number H is said to be the H.M. between a and b if a, H, b are in	A. A.P. B. G. P. C. H. P. D. None of these

17	The sum of all 2 digit number is	A. 4750 B. 3776 C. 4895 D. 4905
18	When the angle between the ground and the sun is 30□,flag pole costss a shadow of 40 mg long. the height of the top of the flag is	A. 25m B. 23m C. 12m D. 29m
19	(A∪B)∪C= ----------	A. A∩B(B∪C) B. A∪(B∪C) C. A∪(B∩C) D. None of these
20	The trigonometric equation contains..... trigonometric functions	A. At least one B. At most one C. Exactly one D. None