ECAT Computer Science Entry Test

Sr	Questions	Answers Choice
1	Question Image	A. Closure law of addition B. Associative law of addition C. Commutative law of multiplication D. Associative law of multiplication
2	Question Image	A. Closure law of addition B. Closure law of multiplication C. Commutative law of addition D. Commutative law of multiplication
3	Question Image	A. Associate law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
4	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
5	Question Image	A. Associative law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
6	π is the ration of	A. Area of a circle to its diameter B. Area of a circle to its radius C. Circumference of a circle to its diameter D. Circumference of circle to its radius
7	1.4142135... is _____	A. A natural number B. A rational number C. A prime number D. An irrational number
8	0.25 is _____	A. An irrational number B. A natural number C. A prime number D. A rational number
9	Every real number is	A. A complex number B. A rational number C. A natural number D. A prime number
10	Every natural number is	A. A prime number B. An irrational number C. An integer D. An even number
11	Every whole number is	A. A real number B. An irrational number C. A prime number D. A negative integer
12	A non-terminating, non-recurring decimal represent	A. A natural number B. A rational number C. An irrational number D. A prime number
13	Every irrational number is	A. A real number B. A prime number C. A natural number D. An integer
14	Every recurring decimal represents	A. A natural number B. A rational number C. An irrational number D. A whole number
15	Question Image	A. A natural number B. A rational number C. An irrational number

		D. A whole number
16	Question Image	A. A prime number B. An integer C. A whole number D. An irrational number
17	1/3 is _____	A. A prime number B. An integer C. A rational number D. An irrational number
18	O is _____	A. A positive integer B. A negative integer C. A natural number D. An integer
19	Question Image	A. A rational number B. A natural number C. An irrational number D. An integer
20	Question Image	A. A rational number B. An irrational number C. An odd number D. A prime number
21	3/4 is _____	A. An odd number B. An even number C. A natural number D. A rational number
22	π is _____	A. A complex number B. A rational number C. A natural number D. An irrational number
23	Question Image	A. A complex number B. A rational number C. A natural number D. An irrational number
24	The quadratic equation 8 sec2θ - 6 secθ +1 =0 has	A. Infinitely many roots B. Exactly two roots C. Exactly four roots D. No roots
25	If a > 0,b > 0, c > 0 then the roots of the equation ax2+ bx + c =0 are	A. Real and negative B. Non-real with negative real parts C. Real and positive D. Nothing can be said
26	if one root of the equation ix2 - 2(i + 1) x +(2 - i)= 0 is 2 - i then the other root is	A. -i B. 2 + i C. i D. 2 - i
27	If the roots of ax2 + b =0 are real and distinct then	A. ab > 0 B. a = 0 C. ab < 0 D. a > 0,b > 0
28	If ax + bx + c =0 is satisfied by every value of x,then	A. b = 0,c = 0 B. c = 0 C. b = 0 D. a = b = c = 0
29	Both the roots of the equation (x -b) (x - c) + (x -c) (x-a) +(x-a) (x-b) = 0 are always	A. Positive B. Negative C. Real D. None of these
30	The roots of (x - a)(x - b) = ab x2 are always	A. Real B. Depends upon a C. Depends upon b D. Depends upon a and b