

## ECAT Computer Science Entry Test

| Sr | Questions                                                                                                    | Answers Choice                                                                                                                        |
|----|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1  | If A is a subset of B and B contains at least one element which is not an element of A, then A is said to be | A. Improper subset of B<br>B. Super set of B<br>C. Proper subset of B<br>D. None of these                                             |
| 2  | For any two sets A and, $A \subseteq B$ if                                                                   | A. $x \in A \Rightarrow x \in B$<br>B. $x \notin A \Rightarrow x \notin B$<br>C. $x \in A \Rightarrow x \notin B$<br>D. None of these |
| 3  | The solution of equation $x^2 + 2 = 0$ in the set of real number is                                          | A. Infinite set<br>B. Singleton set<br>C. Null set<br>D. None of these                                                                |
| 4  | If a 1-1 correspondence can be established b/w two sets A and B, then they are called                        | A. Equal sets<br>B. Equivalent sets<br>C. Over lapping sets<br>D. None of these                                                       |
| 5  | Question Image                                                                                               |                                                                                                                                       |
| 6  | Question Image                                                                                               |                                                                                                                                       |
| 7  | Question Image                                                                                               | A. are real no<br>B. both are not real<br>C. are imaginary no<br>D. both are imaginary                                                |
| 8  | Question Image                                                                                               |                                                                                                                                       |
| 9  | Question Image                                                                                               | B. 1<br>D. -1                                                                                                                         |
| 10 | Question Image                                                                                               | A. 1<br>B. 3<br>C. 2-i<br>D. -1                                                                                                       |
| 11 | Question Image                                                                                               |                                                                                                                                       |
| 12 | Question Image                                                                                               |                                                                                                                                       |
| 13 | Question Image                                                                                               | A. -8<br>B. 8<br>C. 8i<br>D. 32                                                                                                       |
| 14 | Question Image                                                                                               |                                                                                                                                       |
| 15 | Question Image                                                                                               |                                                                                                                                       |
| 16 | Question Image                                                                                               |                                                                                                                                       |
| 17 | Question Image                                                                                               | A. 1<br>B. -i<br>C. i<br>D. 0                                                                                                         |
| 18 | Question Image                                                                                               |                                                                                                                                       |
| 19 | Question Image                                                                                               |                                                                                                                                       |
| 20 | Question Image                                                                                               |                                                                                                                                       |
| 21 | Question Image                                                                                               |                                                                                                                                       |
| 22 | Question Image                                                                                               |                                                                                                                                       |
| 23 | The set of natural no. is closed under                                                                       | A. multiplication<br>B. subtraction<br>C. difference<br>D. ...                                                                        |

|    |                |
|----|----------------|
| 24 | Question Image |
| 25 | Question Image |
| 26 | Question Image |
| 27 | Question Image |
| 28 | Question Image |
| 29 | Question Image |
| 30 | Question Image |