# Mathematics ECAT Pre Engineering Online Test

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | Question Image | B. 0 <br> C. 1 <br> D. undefined |
| 2 | Question Image | A. -1 <br> B. 0 <br> C. 1 <br> D. undefined |
| 3 | Question Image | A. -1 <br> B. 0 <br> C. 1 <br> D. undefined |
| 4 | Question Image | A. -1 <br> B. 0 <br> C. 1 <br> D. undefined |
| 5 | Question Image | |
| 6 | Question Image | A. 4 <br> B. 6 <br> C. 8 <br> D. 10 |
| 7 | Question Image | A. 2 <br> B. 4 <br> C. 8 <br> D. 16 |
| 8 | Question Image | A. 0 <br> B. 1 <br> C. 2 <br> D. 3 |
| 9 | The cube roots of 8 are | |
| 10 | Question Image | A. 1 <br> B. -1 <br> C. 5 <br> D. 2 |
| 11 | Question Image | A. -1 <br> B. 0 <br> C. 2 <br> D. 1 |
| 12 | Question Image | |
| 13 | Question Image | |
| 14 | Question Image | |
| 15 | Which of the following is an identity matrix? | D. none of these |
| 16 | Question Image | A. 0 <br> B. 1 <br> C. -A <br> D. -1 |
| 17 | Question Image | A. -a -b -c <br> B. 1 <br> C. 0 <br> D. -1 |
| 18 | Question Image | |
| 19 | Question Image | |
| 20 | Question Image | D. none of these |
| | | A. a relation <br> B. a function |

| 21 | The negation of a number | C. unary operation<br>D. binary operation |
|----|--------------------------|----|
| 22 | Question Image | D. none of these |
| 23 | Question Image | A. square root function<br>B. identity function<br>C. linear function<br>D. quadratic function |
| 24 | The graph of a linear function is | A. a circle<br>B. triangle<br>C. a straight line<br>D. none of these |
| 25 | Question Image | A. a constant function<br>B. linear function<br>C. quadratic funtion<br>D. none of these |
| 26 | Question Image | |
| 27 | Question Image | |
| 28 | Question Image | |
| 29 | Question Image | |
| 30 | Question Image | |