

## ECAT Mathematics Chapter 17 Functions and Limits Online Test

| Sr | Questions             | Answers Choice                                                                   |
|----|-----------------------|----------------------------------------------------------------------------------|
| 1  | Question Image        | A. $[0, 1[$<br>B. $[0, 1]$<br>C. $]0, 1[$<br>D. None of these                    |
| 2  | Question Image        |                                                                                  |
| 3  | Question Image        |                                                                                  |
| 4  | Question Image        | A. 0<br>B. 1<br>D. -1                                                            |
| 5  | Question Image        | A. 0<br>B. 1<br>C. -1<br>D. none of these                                        |
| 6  | Question Image        | A. 0<br>B. 1<br>D. -1                                                            |
| 7  | Question Image        | A. 0<br>B. 1<br>D. none of these                                                 |
| 8  | Question Image        |                                                                                  |
| 9  | Question Image        |                                                                                  |
| 10 | Question Image        |                                                                                  |
| 11 | Question Image        |                                                                                  |
| 12 | Question Image        |                                                                                  |
| 13 | Question Image        |                                                                                  |
| 14 | Question Image        |                                                                                  |
| 15 | Question Image        |                                                                                  |
| 16 | Question Image        |                                                                                  |
| 17 | Question Image        |                                                                                  |
| 18 | Question Image        |                                                                                  |
| 19 | Question Image        | A. 0<br>B. 1<br>C. -1<br>D. none of these                                        |
| 20 | Question Image        |                                                                                  |
| 21 | Question Image        |                                                                                  |
| 22 | Question Image        |                                                                                  |
| 23 | Question Image        |                                                                                  |
| 24 | Question Image        |                                                                                  |
| 25 | $\sin^{-1} x =$ _____ |                                                                                  |
| 26 | Question Image        | A. $\sin h x$<br>B. $\cos h x$<br>C. $\sec h x$<br>D. $\operatorname{cosec} h x$ |
|    |                       | A. $\sin h x$                                                                    |

27      Question Image      B.  $\cosh x$   
C.  $\tanh x$   
D.  $\coth x$

28      Question Image      A.  $\sinh x$   
B.  $\cosh x$   
C.  $\tanh x$   
D.  $\coth x$

29       $\sec h x =$  \_\_\_\_\_

30       $\tan h x =$  \_\_\_\_\_