

2. The domain of the function  $f(x) = \frac{1}{\sqrt{|x| - x}}$  is :-

[AIEEE - 2011]

(1)  $(-\infty, 0)$

(2)  $(-\infty, \infty) - \{0\}$

(3)  $(-\infty, \infty)$

(4)  $(0, \infty)$

Soln.->

2.  $f(x) = \frac{1}{\sqrt{|x| - x}}$

For domain of real function

$$|x| - x > 0$$

$$|x| > x$$

$$x \in (-\infty, 0)$$