

**VOLUME – 1 FULL TEST**  
**MATHEMATICS**

**Time: 3Hrs**

**STD - XI**

**Marks: 90**

**PART – I**

**I. Choose the correct Answer:**

**20 x 1 = 20**

1. Let  $X = \{1, 2, 3, 4\}$  and  $R = \{(1,1),(1,2),(1,3),(2,2),(3,3),(2,1),(3,1),(1,4),(4,1)\}$ .  
Then  $R$  is

(a) equivalence (b) transitive (c) symmetric (d) reflexive

2. The function  $f : \mathbb{R} \rightarrow \mathbb{R}$  is defined by  $f(x) = \sin x + \cos x$  is

(a) an even function (b) an odd function

(c) both odd function and even function

(d) neither an odd function nor an even function.

3. Let  $A$  and  $B$  be subsets of the universal set  $\mathbb{N}$ , the set of natural numbers. Then  $A' \cup [(A \cap B) \cup B']$  is

# Eleventh Std Maths Volume 1 Guide

**F Rizvi**



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