

Model Question paper for online examination
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Q1. Let \mathbb{R} ,set of real numbers,and S be a relation such that aSb iff $a-b$ is an integer then which of the following statement true?

- S is reflexive but not Symmetric
- S is reflexive, Symmetric and transitive
- S is not reflexive but Symmetric and transitive
- S is reflexive neither Symmetric nor Transitive

Q2. Let R be a relation on \mathbb{Z} ,Set of positive integers, defined by aRb if and only if a divides b then which of the following statement is true?

- R is partially order relation
- R is an equivalence relation
- R is reflexive but not Symmetric
- R is reflexive but not Transitive

Q3.Total number of ways to form a three letter sequence using the letter a,b,c,d,e,f Without repetition of letter?

- 120
- 124
- 125
- 126

Q4. A store carries 8 style of pants ,for each style,there are 10 different possible waist sizes ,6 pant lengths,and four colorchoices,then total number of different types of pants in the store is?

- 1920
- 2000
- 1445
- 1900

Q5. From amongst 2000 educated persons of a city 60% read Marathi newspaper, 55% read Hindi Newspaper and 20% read neither Marathi nor Hindi newspaper. How many persons read both the newspapers?

- 700
- 100
- 844
- 330

Q6. How many different bit strings can be formed using five 1's and three 0's ?

- 34
- 78
- 56
- 21