Mathematical Inequality Questions Overview

Mathematical Inequality Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Mathematical Inequality Questions.

Mathematical Inequality Questions

Directions: In the following questions, the symbols @, #, %, $ and © are used with the following meaning as illustrated below- 'P#Q' means 'P is neither greater than nor equal to Q' 'P©Q' means 'P is neither equal to nor smaller than Q' 'P%Q' means 'P is neither smaller than nor greater than Q' 'P$Q' means 'P is not smaller than Q' 'P@Q' means 'P is not greater than Q' Now in each of the following questions assuming the given statement to be true, find which of the three conclusions I, II and III given below them is/are definitely true and give your answer accordingly.

Question

Statements: Q # P © U @ X $ M % K © L @ R Conclusions: I. L # X II. X $ Q III. U © R

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. None is true
2. Only I is true
3. Only III is true
4. Either I or II is true
5. Only I and III are true

Solution

The correct answer is **Option 2** i.e. **Only I is true**

Statements: Q # P © U @ X $ M % K © L @ R

Q P > U X M = K > L R

Conclusions:

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I. L # X – L X –**True** (X M = K > L)

II. X $ Q – X Q – **False** (Q P > U X; opposite signs between the element.)

III. U© R – U > R – **False** (U X M = K> L R; opposite signs between the element.)

Hence the correct answer is **Only I is true.**

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