

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

Direction: In each of these questions the symbols %, @, &, *, and # are used with different meanings as follows. You have to decide which of the given conclusion/conclusions follows/follow the given statement. A % B means that 'A is neither smaller than nor equal to B' A # B means that 'A is neither greater than nor equal to B' A @ B means that 'A is neither greater than nor smaller than B' A & B means that 'A is not smaller than B' A * B means that 'A is not greater than B'

Question

Statements: P & Q @ R % S, T * U # V, W # R & Y Conclusions: I. P & Y II. S % T III. U # W IV. W # P

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Only I and II
2. Only II and III
3. Only I and IV
4. Only II and IV
5. All I, II, III, and IV

Solution

The correct answer is **Option 3** i.e. **Only I and IV**

A % B: 'A is neither smaller than nor equal to B'

A # B: 'A is neither greater than nor equal to B'

A @ B: 'A is neither greater than nor smaller than B'

A & B: 'A is not smaller than B'

A * B: 'A is not greater than B'

Symbols	%	#	@	&	*
Meaning	>		=		

Statements: P & Q @ R % S, T * U # V, W # R & Y

P & Q @ R % S P Q = R > S

T * U # V T U V

W # R & Y W R Y

Conclusions:

I. P & Y P Y: **True** (P Q = R Y P Y)

II. S % T S > T: **False** (There is no element is common between S and T so we need 3 signs)

III. U # W U W: **False** (There is no element is common between S and T so we need 3 signs)

IV. W # P W P: **True** (P Q = R > W P > W or W P)

Clearly, conclusion I and IV follow.

Hence, the correct answer is **Only I and IV.**