Simplification Questions Overview

Simplification 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 Simplification Questions.

Question

Find the value of X?

Difficulty : Moderate   **Average Time : 25 Seconds**

Options :

1. 8/7

2. 2/7

3. 3/7

4. 1

5. 2

Solution

The correct answer is **Option 3** i.e. **1**

Concept
BODMAS rule

$$\cfrac{2+\cfrac{1}{\cfrac{19}{5}}}{2+\cfrac{1}{3+\cfrac{1}{\frac{5}{4}}}} = \cfrac{2+\frac{5}{19}}{2+\cfrac{1}{3+\frac{4}{5}}} = \cfrac{\frac{19 \times 2 + 5}{19}}{2+\cfrac{1}{\frac{5 \times 3 + 4}{5}}} = \cfrac{\frac{43}{19}}{2+\cfrac{1}{\frac{19}{5}}} = \cfrac{\frac{43}{19}}{2+\frac{5}{19}} = \cfrac{\frac{43}{19}}{\frac{19 \times 2 + 5}{19}} = 1$$

Hence, X=1