Number Series Questions Overview

Number Series 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 Number Series Questions.

Number Series Questions

Direction: Given below are three series I, II, and III. Each of the series has a wrong number. Assuming A, M, and P as the wrong numbers and B, N, and Q as the correct numbers which should replace them in the series I, II, and III respectively, answer the questions that follow. Series I. 19, 46, 100, 180, 289 SeriesII. 21, 24, 33, 48, 68 Series III. 16, 18, 25, 36, 54

Question

If the sum of all correct numbers is divided by 19, then find that the remainder is how much less than the value of P.

Difficulty : Moderate   **Average Time : 50 Seconds**

Options :

1. 0

2. 3

3. 5

4. 4

5. 6

Solution

The correct answer is **Option 4** i.e. **4.**

Series I. 19, 46, 100, 180, 289

19 + (9 × 3) = 19 + 27 = 46

46 + (9 × 6) = 46 + 54 = 100

100 + (9 × 9) = 100 + 81 = 181 (not 180)

181 + (9 × 12) = 181 + 108 = 289

Hence, the values of A and B are 180 and 181 respectively

SeriesII. 21, 24, 33, 48, 68

21 + (3 × 1) = 21 + 3 = 24

24 + (3 × 3) = 24 + 9 = 33

33 + (3 × 5) = 33 + 15 = 48

48 + (3 × 7) = 48 + 21 = 69 (not 68)

Hence, the values of M and N are 68 and 69 respectively

Series III. 16, 18, 25, 36, 54

$16 + (2 + 1^2) = 16 + 3 = 19$ (not 18)

$19 + (2 + 2^2) = 19 + 6 = 25$

$25 + (2 + 3^2) = 25 + 11 = 36$

$36 + (2 + 4^2) = 36 + 18 = 54$

Hence, the values of P and Q are 18 and 19 respectively

Now, according to the question

The sum of all correct numbers = (181 + 61 + 19) = 261

When 261/19 then, the remainder will be = 14

Value of P = 18

Hence, 14 is 4 less than 18 [Value of P]