

Coding Decoding Questions Overview

Coding Decoding 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 Coding Decoding Questions.

Coding Decoding Questions

Five books have different numbers. They are divided into two groups A and B. There is a specific code given to each student, which is coded by the following steps which are as follows: Number of books step-1 step2 code of books 121 240 6 35 132 131 5 24 142 141 6 35 233 464 14 195 642 641 11 120 After the codes are generated, each book is divided into groups, the one that has an even number code is kept in group A and the one that has an odd number code is kept in group B. Do the same procedure for the following other 5 books: 242, 431, 562, 323, 235

Question

What is the code for 174 books?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 48
2. 195
3. 426
4. 35
5. None of these

Solution

The correct answer is **Option 2** i.e. **195**

Logic-

Step 1- if the number of books is even then multiplied by 1 then minus 2, if the number of books is odd then multiply by 2 then minus 2.

Step 2- Sum of all digits of the number obtained in step 1.

Code- square of the number then minus 1 in step 2.

Number of books	step-1	step-2	Code of books
242	241	7	48
431	860	14	195
562	1122	6	35
323	322	7	48
235	234	9	80

Now divide Books into groups,

Group A			
Number of books	step-1	step-2	code of books
431	430	7	48
323	322	7	48
235	234	9	80

Group B			
Number of books	step-1	step-2	code of books
242	482	14	195
562	1122	6	35

Clearly, as shown in the table, the code for 431 books is 195.

Hence, **195** is the correct answer.