



SmartKeeda

The Question Bank

Presents

TestZone

India's least priced Test Series platform

JOIN

12 Month Plan

2017-18 All Test Series

@ Just

₹ 399/-

300+ Full Length Tests

- Brilliant Test Analysis
- Excellent Content
- Unmatched Explanations

JOIN NOW

Date Interpretation Set Theory Questions Quiz for Bank PO Pre and Clerk Mains Exams

Set theory Quiz 3

Directions: Study the given information carefully to answer the questions.

In a recently held survey there were 9700 persons in a local area. Out of these 3000 use only Nokia phones, 2400 use only Apple phones and 1450 use only Samsung phones. The number of persons who are using the phones of all the companies is 1500. The number of persons who use Nokia phones and Samsung phones, but not Apple phones is 450. The number of people who use Apple and Samsung phones, but not Nokia phones is 550 and the number of those who use Nokia and Apple phones, but not Samsung phones is 350.

1. How many persons use phones of at least two companies?

- A. 2800 B. 2850 C. 2700 D. 2900 E. None of these

2. Find the number of persons who use Nokia phones.

- A. 4900 B. 4500 C. 5300 D. 5700 E. None of these

3. How many persons use the phones of Nokia or Apple but not those of Samsung?

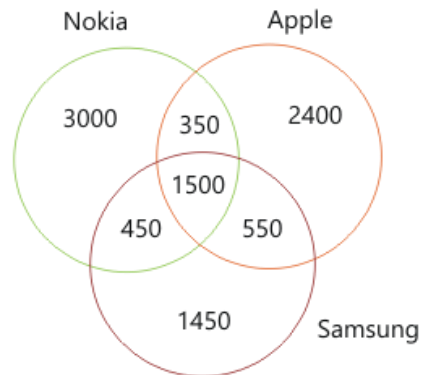
- A. 5750 B. 6850 C. 6600 D. 6870 E. None of these

Correct Answers:

1	2	3
B	C	A

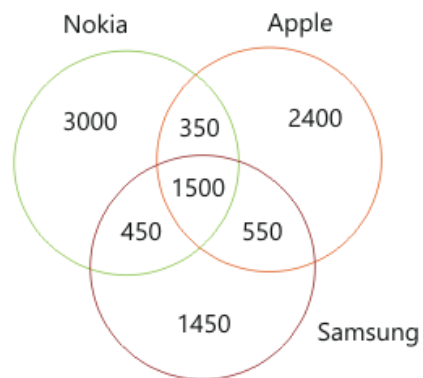
Explanations:

1. Based on the information given, we can draw the following Venn-diagram



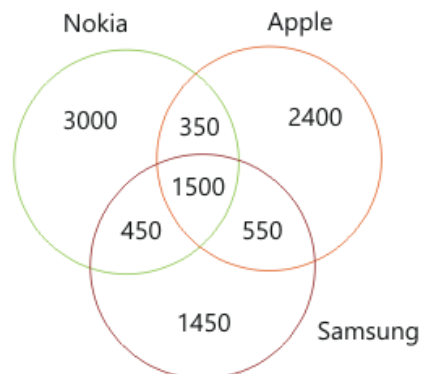
Clearly, the number of persons who use phones of at least two companies = $1500 + 550 + 450 + 350 = 2850$
Hence, option B is correct.

2. Based on the information given, we can draw the following Venn-diagram



The number of persons who use Nokia phones = $3000 + 350 + 450 + 1500 = 5300$
Hence, option C is correct.

3. Based on the information given, we can draw the following Venn-diagram



The number of persons who use phones of either Nokia or Apple but not those of Samsung = $3000 + 2400 + 350 = 5750$
Hence, option A is correct.



SmartKeeda

The Question Bank

प्रस्तुत करते हैं

TestZone

भारत की सबसे क़िफ़ायती टेस्ट सीरीज़

अभी
जुड़ें

12 Month Plan

2017-18 All Test Series

@ Just

₹ 399/-

300+ फुल लेन्थ टेस्ट

- श्रेष्ठ विश्लेषण
- उत्कृष्ट विषय सामग्री
- बेजोड़ व्याख्या

अभी जुड़ें