



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

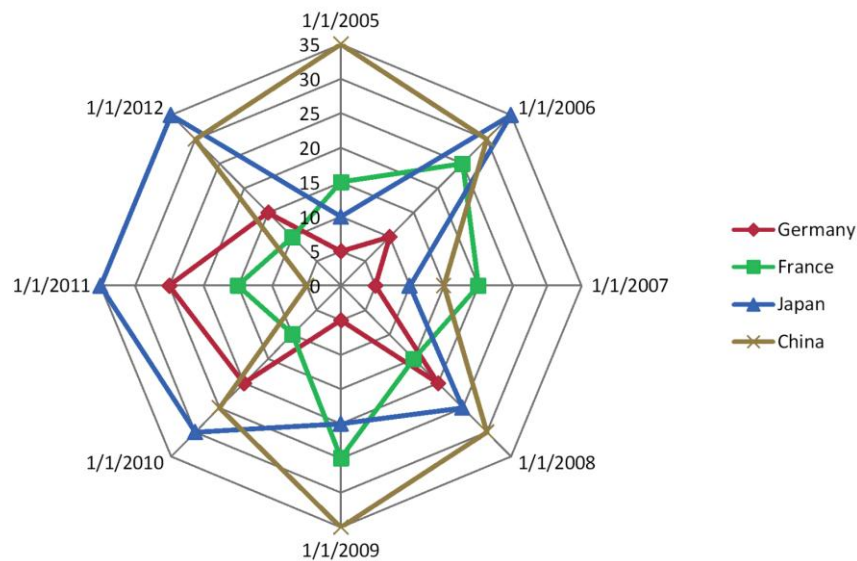
JOIN NOW

Date Interpretation Web Chart Questions Quiz for Bank PO Exams

Data Interpretation Web Chart Quiz 2

Directions : Study the following graph carefully to answer the questions that follow.

Number of new companies registered (in thousand) in four countries in various years



1. In which year is the average of the number of companies registered the maximum?

- A. 2008 B. 2006 C. 2010 D. 2011 E. 2012

2. The number of companies registered in 2012 is what percentage more or less than the number of companies registered in the year 2005?

- A. 26.33% B. 24% C. 22% D. 33.33% E. 18%

3. What is the ratio of the number companies registered in Japan to that in China during 2005 to 2012?

- A. 40 : 47 B. 40 : 43 C. 38 : 41 D. 39 : 41 E. 40 : 41

4. In which of country is the average number of companies registered the maximum?

- A. Japan B. China C. Germany D. France
E. Both Germany and Japan

5. The total number of companies registered in France is how much more or less than the total number of companies registered in China?

- A. 42% less B. 44.14% less C. 34.14% less D. 42% more E. 38% less

Correct Answers:

1	2	3	4	5
B	D	E	B	C

Explanations:

1. In 2005, the average number of companies registered
$$= \frac{(5 + 10 + 15 + 35) \times 1000}{4} = \frac{65000}{4} = 16250$$

In 2006, the average number of companies registered
$$= \frac{(10 + 25 + 30 + 35) \times 1000}{4} = 25000$$

In 2007, the average number of companies registered
$$= \frac{(5 + 10 + 15 + 20) \times 1000}{4} = 12500$$

In 2008, the average number of companies registered
$$= \frac{(30 + 25 + 20 + 15) \times 1000}{4} = 22500$$

In 2009, the average number of companies registered
$$= \frac{(5 + 20 + 25 + 35) \times 1000}{4} = 21250$$

In 2010, the average number of companies registered
$$= \frac{(10 + 20 + 25 + 30) \times 1000}{4} = 21250$$

In 2011, the average number of companies registered
$$= \frac{(5 + 15 + 25 + 35) \times 1000}{4} = 20000$$

In 2012, the average number of companies registered
$$= \frac{(10 + 15 + 30 + 35) \times 1000}{4} = 22500$$

Hence, in 2006, the average number of companies registered was the maximum.

Hence, option B is correct.

2. Number of companies registered in 2012 = $(15 + 10 + 35 + 30) \times 1000 = 90 \times 1000 = 90000$.

Number of companies registered in 2005 = $(5 + 15 + 10 + 35) \times 1000 = 65 \times 1000 = 65000$

$$\therefore \text{Required \%} = \frac{90000 - 65000}{75000} \times 100 = 33.33\%$$

Hence, number of companies registered in 2012 is 33.33% more than 2005.

Hence, option D is correct.

3. Number of companies registered in Japan during 2005 to 2012,

$$= (10 + 35 + 10 + 25 + 20 + 30 + 35 + 35) \times 1000 = 200000$$

Number of companies registered in China during 2005 to 2012,

$$= (35 + 30 + 15 + 30 + 35 + 25 + 5 + 30) \times 1000 = 205000$$

$$\text{Reqd. ratio} = 200000 : 205000 = 40 : 41.$$

Hence, option A is correct.

4. Average number of companies registered in France

$$= \frac{(15 + 25 + 20 + 15 + 25 + 10 + 15 + 10) \times 1000}{8} = \frac{135000}{8} = 16875$$

Average number of companies registered in Germany

$$= \frac{(5 + 10 + 5 + 20 + 5 + 20 + 25 + 15) \times 1000}{8} = \frac{105000}{8} = 13125$$

Average number of companies registered in Japan

$$= \frac{(10 + 35 + 10 + 25 + 20 + 30 + 35 + 35) \times 1000}{8} = \frac{200000}{8} = 25000$$

Average number of companies registered in China

$$= \frac{(35 + 30 + 15 + 30 + 35 + 25 + 5 + 30) \times 1000}{8} = \frac{205000}{8} = 25625$$

Average number of companies registered in China is the maximum.

Hence, option B is correct.

5. Total number of companies registered in France = $(15 + 25 + 20 + 15 + 25 + 10 + 15 + 10) \times 1000 = 135000$

Total number of companies registered in China = $(35 + 30 + 15 + 30 + 35 + 25 + 5 + 30) \times 1000 = 205000$

$$= \frac{205000 - 135000}{205000} \times 100 = \frac{70000}{205000} \times 100 = 34.14\%$$

So, France has 34.14% less registered companies than China.

Hence, option C 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