



1 LAKH + SELECTED ASPIRANTS  
✓ CHOSE **SMARTKEEDA**

NOW IT'S YOUR TURN!

## 2024 ACHIEVERS



RIYA BAISHYA  
(IBPS PO & CLERK 2024)



SURBHI  
(IBPS CLERK)



MUSKAN PARWEEN  
(IBPS CLERK 2024)



KARMANPREET KAUR  
(IBPS PO 2024)



ADITYA LODHI  
(IBPS CLERK 2024)



SANCHITA KARMAKAR  
(IBPS CLERK 2024)



S MOUNIKA  
(IBPS PO 2024)



DIVYANSH NARAIN  
(IBPS PO 2024)



PARWINDER SINGH  
(IBPS CLERK 2024)



ANKITA PAUL  
(IBPS CLERK 2024)



YASHIKA BHARDWAJ  
(IBPS PO 2024)



DUSHYANT RATHORE  
(IBPS PO 2024  
IBPS CLERK 2024)

### Best of SmartKeeda



Mock Tests



CA Mockdrill



Speed Drills



Topic Tests



Sectionals



Smart Video Course

USE CODE **FEST25** for 10% OFF

# CA MOCKDRILL PRO

भूलना मना है!

## Pro Features

- NEWS IN THE FORM OF FLASHCARDS
- CHAPTER-WISE SEGREGATION OF NEWS ON A MONTHLY BASIS
- SMART 350 NEWS ON A MONTHLY BASIS
- QUESTIONS BASED ON EACH & EVERY CRUCIAL INFO GIVEN IN NEWS
- DIGITAL, FINANCIAL AWARENESS & RBI CIRCULARS
- INCORRECT ANSWERS REAPPEAR UNTIL YOU GET THEM RIGHT
- AI-POWERED WEEKLY & MONTHLY REVISIONS
- BILINGUAL (ENG + HINDI)

 **POWER-UP  
YOUR CA**

**Warning:** Smartkeeda possesses all copyrights on its content. This doesn't allow anyone to use its content for commercial purposes. If any infringement is found, legal action will be taken against the individual or entity. If you want to use the content for commercial purposes, kindly write to us at [admin@smartkeeda.com](mailto:admin@smartkeeda.com)

## DI Line Chart Questions for IBPS RRB Office Asst. Mains Exams.

### DI Line Chart No 53

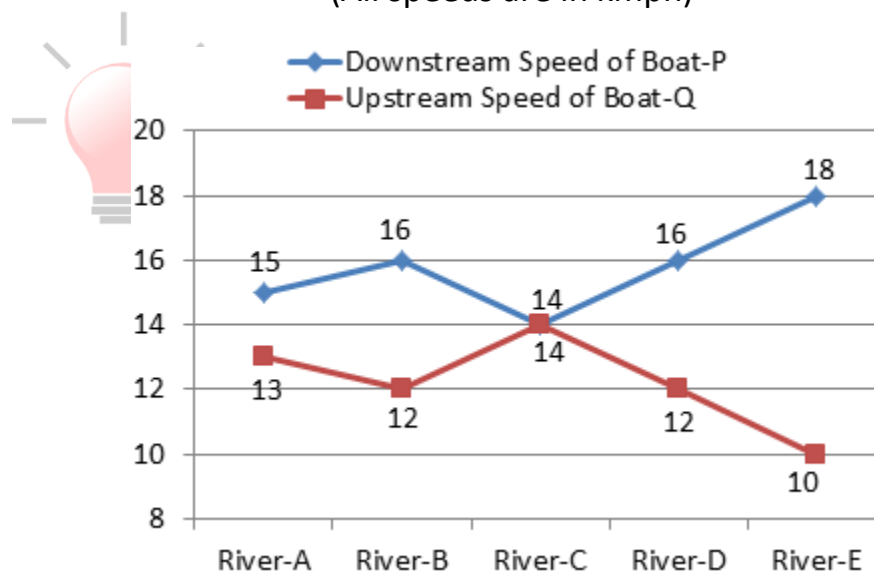
**Directions :** Study the following line chart carefully and answer the questions given beside.

The following line chart shows information about the motion of two boats namely P and Q in five rivers namely A, B, C, D and E.

The still water speed of Boat P and that of Boat Q remains same in each river.

The chart shows upstream speed of boat-Q and downstream speed of boat-P.

(All speeds are in kmph)



- The stream speed of river-E is 50% more than the stream speed of river-B. Find the still water speed of boat Q.**  
A. 7 kmph      B. 12 kmph      C. 13 kmph      D. 16 kmph      E. Can't be determined
- Ratio of still water speed of boat-P to Q is 3 : 4. Find the difference between the still water speed of boat P and Q.**  
A. 1 kmph      B. 2 kmph      C. 3 kmph      D. 4 kmph      E. 6 kmph



3. Ratio of stream speed of river A to D is 3 : 4. Find the ratio of upstream speed to downstream speed of boat P in river C.
- A. 4 : 7      B. 5 : 7      C. 3 : 8      D. 5 : 8      E. 7 : 10
4. Average of the upstream speeds of boat P in river A, B and C is 9 kmph. Find what distance the boat P will cover upstream in river C in 45 minutes.
- A. 6 km      B. 7.5 km      C. 8 km      D. 10 km      E. 12 km
5. Stream speed of which two rivers is same?
- A. River-A and C      B. River-B and C      C. River-B and D  
D. River-D and E      E. Can't be determined



[Join us](#)

[www.smartkeeda.com](http://www.smartkeeda.com) | [testzone.smartkeeda.com](http://testzone.smartkeeda.com)

SBI | RBI | IBPS | RRB | SSC | NIACL | EPFO | UGC NET | LIC | Railways | CLAT | RJS



[Join us](#)

## Correct Answers:

1	2	3	4	5
D	D	B	B	C

# TOPIC TEST

## Features:

- \* 900+ Tests
- \* Unlimited Retakes
- \* Detailed Analysis
- \* 9000+ Questions



Use Code: **Fest25**

Start your basic to advance  
journey now

Smartkeeda.com



[Join us](#)

[www.smartkeeda.com](http://www.smartkeeda.com) | [testzone.smartkeeda.com](http://testzone.smartkeeda.com)

SBI | RBI | IBPS | RRB | SSC | NIACL | EPFO | UGC NET | LIC | Railways | CLAT | RJS



[Join us](#)

### Common Explanation:

Let the still water speed of boat-P is 'p' kmph and that of the stream speed of river A be 'a' kmph.

From the downstream speed of boat-P in river A, we have  $p + a = 15$  -----(i)

Now, downstream speed of the boat increases 15 to 16 kmph in river B, means stream speed of river B is 1 kmph more than the stream speed of river A, therefore

Stream speed of river A = a kmph

Stream speed of river B = (a + 1) kmph

Similarly,

Stream speed of river C = (a - 1) kmph

Stream speed of river D = (a + 1) kmph

Stream speed of river E = (a + 3) kmph

Let the still water speed of boat Q is 'q' kmph, then

Upstream speed of boat Q in river A =  $(q - a) = 13$  kmph -----(ii)

From (i) and (ii), we have

$$(p + a) + (q - a) = 15 + 13 = 28 \rightarrow q = (28 - p)$$

The still water speed of boat Q is  $(28 - p)$  kmph.



[Join us](#)

[www.smartkeeda.com](http://www.smartkeeda.com) | [testzone.smartkeeda.com](http://testzone.smartkeeda.com)

SBI | RBI | IBPS | RRB | SSC | NIACL | EPFO | UGC NET | LIC | Railways | CLAT | RJS



[Join us](#)

1. From common explanation, we have

$$\frac{[a + 3 - (a + 1)]}{(a + 1)} \times 100 = 50 \rightarrow a = 3$$

From line chart, we have

Still water speed of Boat-Q – Stream speed of river-A = 13 kmph

Still water speed of Boat-Q – 3 = 13 kmph

Still water speed of Boat-Q = 16 kmph

Hence, option D is correct.

2. From common explanation, we have

$p + q = 28$ . From information in the question, let  $p = 3n$  and  $q = 4n$ , then

$$3n + 4n = 28 \rightarrow n = 4$$

Still water speed of P and Q is 12 kmph and 16 kmph respectively.

$$\text{Difference} = 16 - 12 = 4 \text{ kmph}$$

Hence, option D is correct.

3. From common explanation, we have

$$a : (a + 1) = 3 : 4 \rightarrow a = 3 \text{ kmph}$$

$$\text{Stream speed of river C} = a - 1 = 3 - 1 = 2 \text{ kmph}$$

Downstream speed of boat P in river C = 14 kmph (given)

$$\text{Still water speed of boat P} = 14 - 2 = 12 \text{ kmph}$$

$$\text{Upstream speed of boat P in river C} = 12 - 2 = 10 \text{ kmph}$$

$$\text{Ratio} = 10 : 14 = 5 : 7$$

Hence, option B is correct.

4. From common explanation, we have

Upstream speed of boat P in river A = downstream speed – 2 (stream speed) =  $15 - 2a$

Similarly, in river B =  $16 - 2(a+1)$  and in river C =  $14 - 2(a - 1)$

Now, we have

$$\frac{[15 - 2a + 16 - 2(a + 1) + 14 - 2(a - 1)]}{3} = 9 \rightarrow a = 3$$

Speed of boat upstream in river C =  $14 - 2 \times (3 - 1) = 10$  kmph

$$\text{Distance} = 10 \times \frac{45}{60} = 7.5 \text{ km}$$

Hence, option B is correct.

5. From common explanation, we see that

the stream speed of river B and D is  $a + 1$  kmph and therefore are equal.

Hence, option C is correct.



[Join us](#)

[www.smartkeeda.com](http://www.smartkeeda.com) | [testzone.smartkeeda.com](http://testzone.smartkeeda.com)

SBI | RBI | IBPS | RRB | SSC | NIACL | EPFO | UGC NET | LIC | Railways | CLAT | RJS



[Join us](#)



 **Smartkeeda**  
presents



# **SPEED DRILLS**

India's first tool to improve

## **SPEED & ACCURACY**

in Bank Exams

Practice **40,000+** Ques in \_\_\_\_\_  
( English | Reasoning | Quant )

### **Features:**

- ◆ Improve Speed and Accuracy
- ◆ Unlimited no. of drills/quizzes
- ◆ Detailed Explanation
- ◆ AI Driven Analysis
- ◆ Topic Wise Questions

Useful For

**RRB Clerk | RRB PO | IBPS Clerk |  
IBPS PO | SBI Clerk | SBI PO**



**Smartkeeda**

Govt Exam Prep App

*Presents*

# Testzone

India's Leading Test Series Platform

**All Banks Exams**

**2025-26**

**12 Months Plan**

**@Just**

**Rs. 539**

To get 10% Off use code **FEST25**

- ✓ Brilliant Test Analysis
- ✓ Excellent Content
- ✓ Unmatched Explanation

**Buy Now**

