



IBPS PO / CLERK 2019

MATH

BOAT & STREAM

प्रश्न ऐसे जो नैया पार लगा दे

9:00 AM

LECTURE 08

LIVE CLASS



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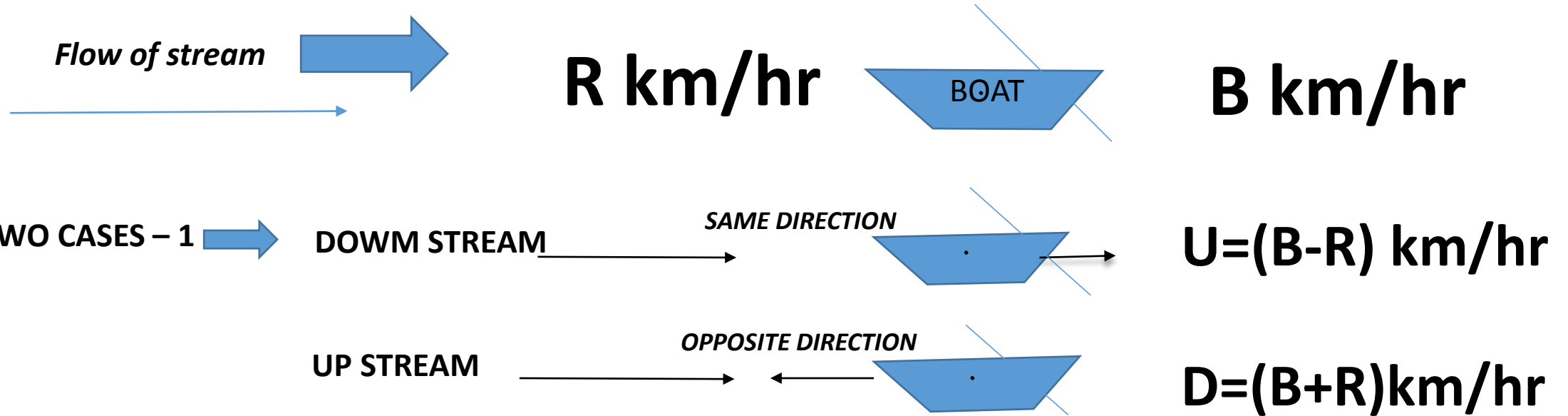


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BOAT AND STREAM

CONCEPT





Speed of stream ,when speed of boat is given in upstream
and in downstream →

$$R = (D - U) / 2 \text{ Km/hr}$$

Speed of Boat, when speed of boat is given in
upstream and in downstream →

$$B = (D + U) / 2 \text{ Km/hr}$$

1

A man can row upstream at 8 km/hr and downstream at 10km/hr.
find man's speed in still water and rate of current ?

एक व्यक्ति धारा की विपरीत दिशा में 8 किलोमीटर/घंटा की चाल से तथा धारा की दिशा में 10 किलोमीटर/घंटा की चाल से, तो धारा की चाल तथा व्यक्ति की चाल ज्ञात करें?

1-9km/hr,1km/hr

2-8km/hr,2km/hr

3-7km/hr,5km/hr

4-5.5km/hr,3km/hr

5-NOT

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2

A man can row 18 km/hr in still water. It takes him thrice as long to row up as to row down the river .Find the rate of stream?

शांत जल में 18 किलोमीटर/घंटा की चाल से, तथा आईएसईवाई धारा की विपरीत दिशा में जाने पीएआर धारा की दिशा में जाने से 3 गुना समय लगता है, धारा की चाल ज्ञात करो?

1-7km/hr

2-5km/hr

3-9km/hr

4-8km/hr

5-N.O.T

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3

A man can row 7.5 km/hr in still water . If a river running at 1.5 km/hr, it takes him 50 minutes to row to a place and back , how far off is the place?

शांत जल में 7.5 किलोमीटर/घंटे, तथा धारा की चाल 1.5 किलोमीटर/घंटे, तो आने जाने में 50 मिनट लगा, दूरी ज्ञात करें?

1-3km

2-5km

3-7km

4-8km

5-N.O.T

4

A boatman running downstream covers a distance of 16 km in 2 hours while for covering the same distance upstream , it takes 4 hour .What is the speed of boat in still water?

धारा की दिशा मे जाते हुये 16 किलोमिटर 2 घंटे मे तय किया,धारा की विपरीत दिशा मे 4 घंटे, नाव की चाल शांत जल मे?

- 1-4km/hr
- 2-6km/hr
- 3-7km/hr
- 4-8km/hr
- 5-N.O.T

5

A man can row $\frac{3}{4}$ of a kilometer against the stream in $11\frac{1}{3}$ minutes . The speed in km/hr of the man in still water is ?

नाव $\frac{3}{4}$ किलोमिटर का धारा की विपरीत दिशा में $11\frac{1}{3}$ मिनट में तय करती है, नाव की चाल शांत जल में क्या होगी?

1-2km/hr

2-3km/hr

3-4km/hr

4-5km/hr

5-N.O.T

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6

A boat running upstream takes 8 hour 48 min to cover a certain distance, while it takes 4 hour to cover the same distance running downstream . What is the ratio between the speed of the boat and current?

धारा की विपरीत दिशा मे 8 घंटे 48 मिनट लगते,एयूआर दिशा मे 4 घंटे लगते,अनुपात ज्ञात करे ,धारा की चाल से नाव का?

1-2:1

2-3:2

3-8:3

4-c&d

5-N.O.T

7

A boat covers a certain distance downstream in 1 hour, while it comes back in 1.5 hours. If the speed of the stream be 3 km/hr, what is the speed of the boat in still water in km/hr?

धारा की दिशा में 1 घंटे में और वापसी में 1.5 घंटे, धारा की चाल 3 किलोमीटर/घंटे, तो नाव की चाल?

1-12

2-13

3-14

4-15

5-N.O.T

8

If steamer is travelling from point A to B and return to same point A it takes total 180 hours to complete the journey , If the speed of current is 8km/hr and speed of boat in still water is 12 km/hr , find distance between A to B?

A से B आने जाने में कुल 180 घंटे लगते हैं , धारा की चाल 8 किलोमीटर/घंटे, नाव की चाल 12 किलोमीटर/घंटे, तो दूरी ज्ञात करें?

1-1200

2-1300

3-600

4-800

5-N.O.T

8

Two boats are travelling from Bombay port and Gujrat port(distance is 1024 km) moving toward each other with constant speed , If there speeds in still water are 75 km/ hr and 53 km/ hr then find the meeting time if they started at same time 6:00 am ?

1-3:00 pm

2-7:00 pm

3-2:00 pm

4-c&d

5-N.O.T

9

boat takes 90 minute less to travel 36 miles downstream than to travel the same distance upstream . If the speed of the boat in still water is 10 km / hr the speed of stream is ?

नाव 90 मिनट कम लेती है 36 किलोमीटर की दूरी तय करने में , धारा की दिशा में , धारा की विपरीत दिशा से, नाव की चाल 10 किलोमीटर/घंटे हो , तो धारा की चाल ज्ञात करें?

- 1-2 mph
- 2-2.5 mph
- 3-3 mph
- 4-4 mph
- 5-5 mph

10

A man can row 40 km upstream and 55 km downstream in 13 hours. Also, he can row 30 km upstream and 44 km downstream in 10 hours .find the speed of man in still water ?

धारा की विपरीत दिशा में 40 किलोमीटर तथा 55 किलोमीटर दिशा में लगने वाला समय 13 घंटे, अगर 30 KM विपरीत दिशा में तथा 44 किलोमीटर दिशा में लगने वाला समय 10 घंटे ,तो व्यक्ति की चाल ज्ञात करें?

- 1- 9 km/hr
- 2-8 km/hr
- 3-5 km/hr
- 4-3 km/hr
- 5- 7km/hr



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