

D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS)
APTITUDE TEST

BOATS AND STREAMS- TEST 22

1. In one hour, a boat goes 11 km along the stream and 5 km against the stream. The speed of the boat in still water (in km/hr) is:

- | | |
|------|------|
| a) 3 | b) 5 |
| c) 8 | d) 9 |

2. A man can row upstream at 8 kmph and downstream at 13 kmph. The speed of the stream is;

- | | |
|--------------|---------------|
| a) 2.5 km/hr | b) 4.2 km/hr |
| c) 5 km/hr | d) 10.5 km/hr |

3. A man rows downstream 32 km and 14 km upstream. If he takes 6 hours to cover each distance, then the velocity (in kmph) of the current is:

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|-------------------|------|
| a) $\frac{1}{2}$ | b) 1 |
| c) $1\frac{1}{2}$ | d) 2 |

4. A certain boat downstream covers a distance of 16 km in 2 hours downstream while covering the same distance upstream, it takes 4 hours.

What is the speed of the boat in still water?

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|------------|--------------------|
| a) 4 km/hr | b) 6 km/hr |
| c) 8 km/hr | d) Data Inadequate |

5. A boatman rowing against the stream goes 2 km in 1 hour and goes 1 km along the current in 10 minutes. How long does it take him to go 5 km in stationary water?

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|--------------------|------------|
| a) 40 minutes | b) 1 hour |
| c) 1 hr 15 minutes | d) 1 hr 30 |

6. A man can row three-quarters of a kilometre in $11\frac{1}{4}$ minutes while rowing against the stream. The speed (in km/hr) of the man in still water will be?

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|-------|-------|
| a) 2. | b) 3. |
| c) 4. | d) 5. |

7.A man takes twice as long to row a distance against the stream as to row the same distance in favour of the stream. The ratio of the speed of the boat in still water and the stream is:

- | | |
|---------|---------|
| a) 2: 1 | b) 3: 1 |
| c) 3: 2 | d) 4: 3 |

8.A boat covers a certain distance downstream in 1 hour, while it comes back in $1\frac{1}{2}$ hours. Considering the speed of the stream be 3 kmph, what is the speed of the boat in still water?

- | | |
|------------|------------------|
| a) 12 kmph | b) 13 kmph |
| c) 15 kmph | d) None of these |

9.The motor boat whose speed is 15 km/hr in still water, will go 30 km downstream and come back in a total of 4 hours 30 minutes. The speed of this stream (in km/hr) will be:

- | | |
|------|-------|
| a) 4 | b) 5 |
| c) 6 | d) 10 |

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19. The speed of a boat in still water is 22 km/hr and the rate of current is 4 km/hr. The distance travelled downstream in 24 minutes is:

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|------------|------------|
| a) 9.4 km | b) 10.4 km |
| c) 10.2 km | d) 9.2 km |

20. A man can row upstream at 7 kmph and downstream at 10 kmph. Find man's rate in still water and the rate of current.

- | | |
|--------------|--------------|
| a) 1.5 km/hr | b) 2.0 km/hr |
| c) 3.5 km/hr | d) 6.2 km/hr |

21. A man can row upstream at 6 km/hr and downstream at 10 km/hr. Discover man's rate in still water and the rate of the momentum.

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|--------------|--------------|
| a) 4,5 km/hr | b) 5,6 km/hr |
| c) 6,8 km/hr | d) 7,9 km/hr |

22. The speed of a boat downstream is 15 km/hr and the speed of the stream is 1.5 km/hr. The speed of the boat upstream is?

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|---------------|---------------|
| a) 13.5 km/hr | b) 16.5 km/hr |
| c) 12 km/hr | d) 8.25 km/hr |

23. A man can row upstream at 8 kmph and downstream at 13 kmph. The speed of the stream is:

- | | |
|------|------|
| a) 3 | b) 5 |
| c) 8 | d) 9 |

24. In one hour, a boat goes 11 km/hr along the stream and 5 km/hr against the stream. The speed of the boat in still water (in km/hr) is:

- | | |
|------------|------------|
| a) 3 km/hr | b) 5 km/hr |
| c) 8 km/hr | d) 9 km/hr |

25. If Rahul rows 15 km upstream in 3 hours and 21 km downstream in 3 hours, then the speed of the stream is

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|------------|------------|
| a) 5 km/hr | b) 4 km/hr |
| c) 2 km/hr | d) 1 km/hr |