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

BOATS AND STREAMS- TEST 22

1. In one hour, a boat goes 11 km along				
stream. The speed of the boat in still wa	•	• •		
a) 3	b)	5		
c) 8	d)	9		
2. A man can row upstream at 8 kmph a	and d	ownstream 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 1	14 km	upstream. If he takes 6 hours to		
cover each distance, then the velocity (ir	ı kmp	oh) of the current is:		
a) $1/2$	b)	1		
c) $1(1/2)$	d)	2		
4. A certain boat downstream covers a d	istan	ce of 16 km in 2 hours		
downstream while covering the same dis	stance	e upstream, it takes 4 hours.		
What is the speed of the boat in still wat		•		
a) 4 km/hr	b)	6 km/hr		
c) 8 km/hr	ď)	Data Inadequate		
5. A boatman rowing against the stream	,	-		
along the current in 10 minutes. How lo				
stationary water?	8	8		
a) 40 minutes	b)	1 hour		
c) 1 hr 15 minutes	d)	1 hr 30		
6. A man can row three-quarters of	,			
rowing against the stream. The speed (i				
be?		if in, or the man in stin water wi		
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(1/2) hours. Considering the speed of the stream be 3 kmph, what is the				
speed of the boat in still water?	b)	12 lmnh		
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:	1 \	_		
a) 4	b)	5		
c) 6	d)	10		

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10. The speed of a boat in still water is 10 km/hr. If it can travel 26 km					
downstream and 14 km upstream in the	e sam	e time, the speed of the stream is:			
a) 2 km/hr	b)	2.5 km/hr			
c) 3 km/hr	d)	4 km/hr			
11. A boat takes 90 minutes less to travel 36 miles downstream than to travel					
the same distance upstream. If the spee	d of t	he boat in still water is 10 mph,			
the speed of the stream is:					
a) 2 mph	b)	2.5 mph			
c) 3 mph	d)	4 mph			
12. A man rows to a place 48 km distant	ce an	d back in 14 hours. The man can			
row 4 km with the stream in the same ex	xact 1	time as he row 3 km against the			
stream in. The rate of the stream is:					
a) 1 km/hr	b)	1.5 km/hr			
c) 1.8 km/hr	d)	3.5 km/hr			
13. A boat covers 24 km upstream and 3	36 kn	n downstream in 6 hours while it			
covers 36 km upstream and 24 km down	nstre	am in $6(1/2)$ hours. the velocity of			
the current is:					
a) 1 km/hr.	,	1.5 km/hr.			
c) 2 km/hr.	d)	2.5 km/hr			
14. If Rajiv rows at his usual rate, he					
certain river in 6 hours less than it t	akes	him to travel the same distance			
upstream. If Rajiv could make his usua		_			
24-mile round trip, the 12 miles downs		•			
less than the 12 miles upstream. What	is the	e speed of the current in miles per			
hour?					
a) $1(1/3)$		1(2/3)			
c) 2(1/3)	•	2(2/3)			
15. In one hour, a boat goes 11km along	g the	stream and 5 km against it. Find			
the speed of the boat in still water		_			
a) 6	b)	7			
c) 8	d)	9			
16. A boat runs at 22 km per hour along the stream and 10 km per hour					
against the stream. Find the ratio of the speed of the boat in still water to that					
of the speed of the stream.					
a) 2:3	b)	8:3			
c) 5:3	d)	7:3			
17. In one hour, a boat goes 11 kmph along the stream and 5 kmph against					
the stream. The speed of the boat in still		` /			
a) 5 kmph	b)	8 kmph			
c) 3 kmph	d)	9 kmph			
18. Speed of a boat in standing water is 9 kmph and the speed of the stream is					
1.5 kmph. A man rows to a place at a distance of 105 km and comes back to					
the starting point. The total time taken b	Ĭ.,				
a) 16	b)	18			
c) 20	d)	24			

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19. The speed of a boat in still water in 22 km/hr and the rate of current is 4						
km/hr. The distance travelled downstream in 24 minutes is:						
a)	9.4 km	b)	10.4 km			
c)	10.2 km	d)	9.2 km			
20.A n	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 push upstream at 6km/hr and downstream at 10 km/hr.						
Discover man's rate in still water and the rate of the momentum.						
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	n/hr. The speed of the boat upstre	am is	5			
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					
a)	5 km/hr	b)	4 km/hr			
c)	2 km/hr	d)	1 km/hr			
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