

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

**RACES AND GAMES – TEST 37**

- In a kilometer race, A beats B by 50 meters or 10 seconds. What time does A take to complete the race?  
a) 200 sec                                  b) 190 sec  
c) 210 sec                                  d) 150 sec
- A can give B 100 meters start and C 200 meters start in a kilometer race. How much start can B give C in a kilometer race?  
a) 111.12 m                                  b) 888.88 m  
c) 777.52 m                                  d) 756.34 m
- A can run a kilometer race in  $4\frac{1}{2}$  min while B can run same race in 5 min. How many meters start can A give B in a kilometer race, so that the race mat end in a dead heat?  
a) 150 m                                        b) 125 m  
c) 130 m                                        d) 100 m
- In a race of 1000 m, A can beat by 100 m, in a race of 800m, B can beat C by 100m. By how many meters will A beat C in a race of 600 m?  
a) 57.5 m                                        b) 127.5 m  
c) 150.7 m                                      d) 98.6 m
- In a game of billiards, A can give B 20 points in 60 and he can give C 30 points in 60. How many points can B give C in a game of 100?  
a) 50    b) 40  
c) 25    d) 15
- A can give B a start of 20 metres and C a start of 39 metres in a walking race of 400 metres. How much can B give C a start?  
a) 20 m    b) 15 m  
c) 18 m    d) 25 m
- In a 300 metres race A beats B by 15 metres or 5 seconds. As time over the course is -  
a) 100 seconds                                b) 95 seconds  
c) 105 seconds                                d) 90 seconds
- Rashid can run 880 metres race in 2 minutes 24 seconds and Hamid in 2 minutes 40 seconds. How many metres start can Rashid give Hamid in a 880 metres race to make a dead heat?  
a) 88 ms    b) 77 ms  
c) 80 ms    d) 98 ms
- At a game of billiards A can give B 6 points in 50 and he can give C 13 in 65. In a game of 55, number of points B can give C is  
a) 3    b) 4  
c) 5    d) 8
- A and B take part in a 100 m race. A runs at 5 km per hr. A gives B a start of 8 m and still beat him by 8 sec. Speed of B is  
a) 5.15 km/hr                                  b) 4.14 km/hr  
c) 4.25 km/hr                                  d) 4.4 km/hr
- In a km race A beats B by 100 m and C by 200 m, by how much can B beat

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C in a race of 1350 m?

- a) 150 m
- b) 120 m
- c) 1200 m
- d) 210 m

12. In a race of 600 m, A can beat B by 60 m and in a race of 500 m, B can beat C by 50 m. By how many m will A beat C in a race of 400 m?

- a) 78 m
- b) 56 m
- c) 76 m
- d) 86 m

13. In a 300 m race A beats B by 22.5 m or 6 seconds. B's time over the course is :

- a) 86 sec
- b) 80 sec
- c) 76 sec
- d) None of these

14. A can run 20 metres while B runs 25 metres. In a km race B beats A by -

- a) 250 metres
- b) 225 metres
- c) 200 metres
- d) 125 metres

15. A can run a kilometre in 4 min. 54 sec. and B in 5 min. How many metres start can A give B in a km race so that the race may end in a dead heat?

- a) 20 metres
- b) 16 metres
- c) 18 metres
- d) 14.5 metres

16. A and B take part in 100 m race. A runs at 5 kmph. A gives B a start of 8 m and still beats him by 8 seconds. The speed of B is:

- a) 5.15 kmph
- b) 4.14 kmph
- c) 4.25 kmph
- d) 4.4 kmph

17. In a 500 m race, the ratio of the speeds of two contestants A and B is 3 : 4. A has a start of 140 m. Then, A wins by:

- a) 60 m
- b) 40 m
- c) 20 m
- d) 10 m

18. At a game of billiards, A can give B 15 points in 60 and A can give C to 20 points in 60. How many points can B give C in a game of 90?

- a) 30 points
- b) 20 points
- c) 10 points
- d) 12 points

19. In a game of 100 points, A can give B 20 points and C 28 points. Then, B can give C:

- a) 8 points
- b) 10 points
- c) 14 points
- d) 40 points

20. In a 200 metres race A beats B by 35 m or 7 seconds. A's time over the course is:

- a) 40 sec
- b) 47 sec
- c) 33 sec
- d) None of these

21. A is  $2 \frac{1}{3}$  times as fast as B. If A gives B a start of 80 m, how long should the race course be so that both of them reach at the same time?

- a) 170 metre
- b) 150 meter
- c) 140 meter
- d) 160 meter

22. If in a game of 80, P can give 16 points to Q and R can give 20 points to P, then in a game of 150, how many points can R give to Q?

- a) 48
- b) 60

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c) 54

d) 90

23. In a 200m race, if A gives B a start of 25 meters, then A wins the race by 10 seconds. Alternatively, if A gives B a start of 45 meters the race ends in a dead heat. How long does A take to run 200m?

a) 100 seconds

b) 112.5 seconds

c) 77.5 seconds

d) 87.5 seconds

24. A takes 3 min 45 seconds to complete a kilometer. B takes 4 minutes to complete the same 1 km track. If A and B were to participate in a race of 2 km, how much start can A give B in terms of distance?

a) 105 m

b) 122 m

c) 100 m

d) 125 m

25. A runs  $1\frac{3}{4}$  times as fast as B. If A gives B a start of 60 meters. How far must the winning post be in order that A and B reach it at the same time?

a) 105 metres

b) 140 metres

c) 80 meters

d) 45 meters