

LRDI CLASS

Five friends - Aditi, Beena, Chirag, Dev and Eleen - took an online test consisting of 10 questions. Each question in the test had five options - A, B, C, D and E, of which only one was correct. The following table gives the responses of the five friends to those ten questions and their score, i e.. the number of questions they answered correctly

Q. No.	1	2	3	4	5	6	7	8	9	10	Score
Aditi	A	A	B	B	C	C	D	D	E	E	0
Beena	C	B	D	B	B	A	E	C	B	D	7
Chirag	A	A	D	B	A	B	E	C	B	B	3
Dev	D	B	D	B	E	B	A	A	D	B	4
Eleen	A	B	C	B	E	A	B	C	D	D	5

Note: The correct options for questions 1 and 10 are C and D respectively.

- Q1. How many questions had the correct option as B?
- a. One b. Two c. Three d. Cannot be determined
- Q2. Which questions did Beena answer incorrectly?
- a. 4, 6 and 8 b. 4, 5 and 7 c. 4, 5 and 9 d. 3, 4 and 9
- Q3. How many questions in common did both Chirag and Eleen answer correctly?
- a. One b. Two c. Three d. Cannot be determined
- Q4. Which questions did Dev answer correctly?
- a. 2, 3, 5 and 9 b. 2, 3, 7 and 8 c. 2, 3, 6 and 9 d. 2, 3, 5 and 7

Drona once wanted to test his students in the skills they had learnt from him. So he conducted five competitions/exams one each on archery, wrestling, spear throw, swimming and vedic theory. Five students Arjun, Yudhisthira, Duryodhan, Dushasan and Bhima participated in all the competitions. The student winning a particular competition/exam was awarded 5 points; the runner up was awarded 4 points and so on; and the person who was last was awarded 1 point. Following is known about the outcome of various competitions:

- Arjun scored highest points cumulatively
- Dushasan scored more points than Bhima cumulatively
- Each student came first in at least one competition and also came last in at least one competition
- Yudhisthira did not secure the same place in any two of the competitions
- Bhima was not first in the swimming competition
- Dushasan came first in Spear throw and came last in Vedic theory
- Arjun and Yudhisthira secured consecutive positions in all competitions except swimming competition in which Yudhisthira was last
- Bhima scored a total of 13 points in all the competitions and stood fourth in both Spear throw competition and Vedic theory exam
- Duryodhan came second in the wrestling competition while Arjun came first in the vedic theory exam

Q1. How many points did Arjun score in all the competitions together?

- 1) 18 2) 17 3) 16 4) 19

Q2. Who stood 3rd in wrestling competition?

- 1) Yudhisthira 2) Duryodhan 3) Arjun 4) Dushasan

Q3. In how many competitions did Dushasan secure third spot?

- 1) 0 2) 1 3) 2 4) 3

Five cricketers — Ambrose, Botham, Chris, David and Elgar—are standing in a queue, in that order, from first to last. These five cricketers are the top five rankers not necessarily in that order, in each of three ICC competitions — A, B and C. No cricketer got the same rank in any two competitions and no two cricketers got the same rank in any competition. Further, for any cricketer, none of his ranks is the same as his position in the queue. Further, it is known that:

- i. Ambrose got the second rank in the competition A.
- ii. Botham got the third rank in competition B.
- iii. Elgar got the first rank in competition C.
- iv. The sum of ranks obtained by David is 9.
- v. The sum of the ranks obtained by Botham is not more than that obtained by Chris.

Q1. The sum of ranks obtained by Elgar is
a. 6 b. 7 c. 8 d. Cannot be determined

Q2. The rank of Elgar in competition B is
a. 4 b. 3 c. 2 d. Cannot be determined

Q3. What is the absolute value of the difference between the ranks of David and Elgar in Competition B?
a. 3 b. 2 c. 1 d. Cannot be determined

Q4. If the sum of ranks obtained by two cricketers is the same, then which of the following statements is definitely true?
a. Ambrose got the fifth rank in competition C.
b. David got the fifth rank in competition A.
c. Both of the above
d. None of the above

5 teams A, B, C, D, and E participate in a tournament where they have to perform 5 embarrassing tasks like preparing for CAT and XAT. The tasks are numbered from 1 to 5. Each tasks has an interesting points' scheme – the team finishing the task first receives 50 points, the team finishing second receives 40 points, third one gets 30 points, 4th placed team receives 20 points and the one that finishes last receives 10 points. If a team does not finish the task in the stipulated 60 minutes, it gets 0 points. Further, for every minute 'saved', a team gets an additional point. As in, if a team finishes second and finishes the task in 53 minutes, the team will get $40 + 7 = 47$ points.

Thankfully, all teams finished all tasks within the stipulated 60 minutes.

The times taken by the teams to finish the tasks are given in the table provided below, with some numbers being omitted.

Task	1	2	3	4	5
A	30	52	58		46
B	45		57	56	58
C		45	42	39	52
D	28	35	48	42	
E	52	31		57	33

We know that team D won the overall championship with an overall score of 286 points, while team B ended last with an overall score of 178 points. It is known that a total of 254 points were scored in game 1. Game 3 was the toughest where only a total number of 193 points were scored. Total number of points scored is 1126.

- Q1. How many minutes does C take for game 1?
- Q2. How many minutes does A take for game 4?
- Q3. How many minutes does B take for game 2?
- Q4. How many minutes does D take for game 5?

Five persons namely Sachin, Rahul, Sourav, Yuvi and Virat competed in an adventure sport event comprising five task - Rafting, Swimming, Running, Point ball and High jump. Each person had to perform each of the five tasks in the event. To complete each of the five tasks, a person is given 60 minutes. There were two parameters - position secured and time taken to complete the task- based on which points were awarded. For each task, the points awarded for securing first, second, third, fourth and fifth position were 50, 40, 30, 20 and 10 respectively. In no task, two or more person secure the same position. The person who completed a given task in least time secured the first position and the person who completed the same task in maximum time secure the fifth position. If a person completed a task in $(60 - n)$ minutes, where 'n' is a whole number, he was awarded 'n' additional points apart from the points he was awarded for securing a particular position. After completion of the five tasks, the person who got the maximum number of points i.e., the sum of the points scored in the five tasks, was declared the winner of the event. The time taken by the persons to finish the tasks is given in the table provided below, with some numbers missing.

Task Person	Rafting	Swimming	Running	Point Ball	High Jump
Sachin	30	52	58		46
Rahul	45		57	56	58
Sourav		45	42	39	52
Yuvi	28	35	48	42	
Virat	52	31		57	33

- Yuvi, who got a total of 286 points in the five tasks put together, won the event
- Rahul, who got a total of 178 points in the five tasks put together, came last in the event.
- In Rafting, the sum of the points awarded to the five persons was 254.
- In Running, the sum of the points awarded to the five persons was 193.
- The sum of the total points across the five tasks put together by the five persons was 1126.

Q1. How much time (in minutes) did Rahul take to complete Swimming?

Q2. How much time(in minutes) did Sachin I take to complete point ball?

Q3.How much time(in minutes) did Yuvi take to complete High Jump?

Q4. What is the total points scored by Sachin overall?