LRDI Test - 02

Directions for questions 1 to 4: Answer the questions on the basis of the information given below.

The following tables show the batting performance of the Australian Cricket Team in a match. Table 1 indicates the score of the team at the fall of each wicket (from 1 to 10). Table 2 gives the runs scored by the 11 batsmen and the order in which they appeared in the batting line up.

Fall of Wicket	Total Score
1	25
2	34
3	42
4	57
5	62
6	75
7	82
8	86
9	99
10	110

Table - 1

S. No.	Batsman	Runs Scored
1	Hayden	28
2	Gilchrist	7
3	Ponting	8
4	Symonds	4
5	Hussey	20
6	Hodge	3
7	Lee	18
8	Johnson	5
9	White	0
10	Clark	11
11	Williams	6

Table - 2

Additional Information:

• At any point there are two batsmen on the field, till the fall of the 10th wicket. Whenever the team loses a wicket, the new batsman comes as per the batting order. E.g. If one of the openers gets out, the no. 3 batsman takes the field.

• A partnership between any two batsmen is the number of runs scored while both of them are batting.

Q 1. How many batsmen lost their wicket between Hayden's and Hussey's dismissal?

a) 0

b) 1

c) 2

d) More than 2

Q 2. How many runs were scored by the batsman who was the 9^{th} to be dismissed?

a) 11

b) 18

c) 0

d) Cannot be determined

Q 3. What was the percentage contribution to the second highest partnership of the batsman to be dismissed first in that partnership?

a) 33.33%

b) 61.53%

c) 71.43%

d) None of these

Q 4. The Australian total comprised only 'Singles' and 'Fours'. The number of Fours scored cannot exceed

a) 27

b) 24

c) 21

d) 20

Directions for questions 5 to 7: Answer the questions on the basis of the information given below.
A class of 1000 students, comprising boys and girls, is divided into three sections, named as A, B and C. The ratio of boys to girls in the class is 9 : 11. The following table shows the percentage of boys and girls in each of the sections.

Section	Boys(%)	Girls(%)
A	60	
B		40
C	p	q

Q 5. Based on the above information, which of the following is true?

a) p = q

b) p < q

c) p > q

d) Data Insufficient

Directions for questions 5 to 7: Answer the questions on the basis of the information given below.
A class of 1000 students, comprising boys and girls, is divided into three sections, named as A, B and C. The ratio of boys to girls in the class is 9 : 11. The following table shows the percentage of boys and girls in each of the sections.

Section	Boys(%)	Girls(%)
A	60	
B		40
C	p	q

Q 6. If the number of students in section C is 600, then what is the value of 3q + 2p?

a) 265

b) 235

c) 225

d) Data Insufficient

Q 7. If the ratio of the number of students in Section A : Section B : Section C is 1 : 3 : 6, then what is the ratio of the number of girls in Section C : Section B : Section A?

a) 7 : 6 : 2

b) 4 : 12 : 39

c) 78 : 24 : 8

d) None of these

Directions for questions 8 to 10: Answer the questions on the basis of the information given below.
The following tables show the sales of five motorbike companies T.V.S., Bajaj, Kinetic, Honda and Hero Honda across various grades in India.
Table - 1 gives the percentage breakup of the sales of the different grades of motorbikes across the different companies.
Table - 2 gives the percentage breakup of the sales of motorbikes of the various companies across the different grades.

		Grade				
		A	B	C	D	E
Company	T.V.S.	18	24	15	32	12
	Bajaj	16	24	10	16	8
	Kinetic	24	16	32	24	28
	Honda	36	20	35	24	48
	Hero Honda	6	16	8	4	4
		100	100	100	100	100

Table - 1

		Company				
		T.V.S.	Bajaj	Kinetic	Honda	Hero Honda
Grade	A	15	20	15	18	15
	B	10	15	5	5	20
	C	25	25	40	35	40
	D	40	30	22.5	18	15
	E	10	10	17.5	24	10
		100	100	100	100	100

Table - 2

Q 8. What is the ratio of motorbikes sold across the different grades in the order A, B, C, D and E?

a) 2 : 1 : 4 : 3 : 2

b) 2 : 1 : 3 : 2 : 4

c) 2 : 3 : 4 : 1 : 2

d) 2 : 4 : 1 : 3 : 1

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	E	10	10	17.5	24	10
		100	100	100	100	100

Table - 2

Q 9. What is the number of motorbikes sold in grade 'B' by Hero Honda?

a) 150

b) 200

c) 240

d) Cannot be determined

Q 10. In which grade is the total number of motorbikes sold equal to the total number of motorbikes sold by one of the given companies?

a) A

b) C

c) E

d) D

Directions for questions 11 to 13: Answer the following questions on the basis of information given below:
The following table shows the marks obtained by four students in three Mock CAT tests. The four students Abhishek, Akshay, Amitabh and Aamir are disguised as A, B, C and D in no particular order.

Mock CAT	A	B	C	D
Mock 1	47		51	53
Mock 2		62	59	10
Mock 3	72	25	28	
Total score	a	b	c	d

Additional information:
· The maximum possible marks in each Mock CAT were 75.

· In each Mock CAT, a correct answer carried +3 marks and an incorrect answer carried -1 mark.
· Abhishek scored the lowest marks in Mock 1 and Aamir scored the highest marks in Mock 2 among the four students.
· Abhishek's total score is more than Amitabh's total score.
· Akshay's total score is less than Amitabh's total score.
· A's total score is a multiple of 6.

Q 11. How many different total scores are possible for Akshay?

a) 101

b) 97

c) 98

d) 100

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· Akshay's total score is less than Amitabh's total score.
· A's total score is a multiple of 6.

Q 12. What is the name of the person disguised as B?

a) Aamir

b) Abhishek

c) Akshay

d) Either (a) or (b)

Q 13. How many different values are possible for 'a'?

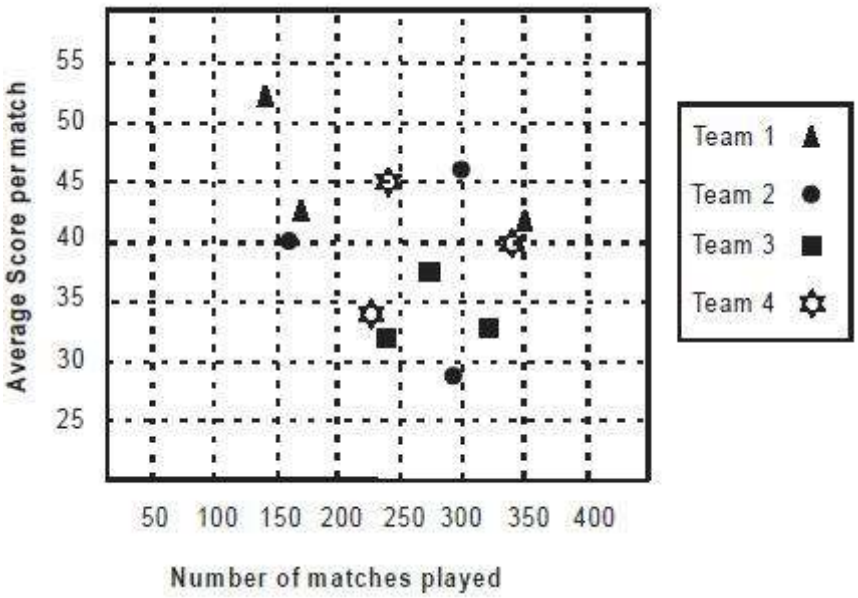
a) 7

b) 8

c) 9

d) 15

Directions for questions 14 to 16: Answer the following questions on the basis of information given below:
The graph given below shows the statistics of 12 Cricket players. Each point on the graph indicates the average score per match of a player and the number of matches played by that player. Each of the players plays for one of the four teams - Team 1, Team 2, Team 3 and Team 4.



Q 14. If only the runs scored by the above mentioned 12 players are considered then which team has got the maximum aggregate score?

a) Team 1

b) Team 2

c) Team 3

d) Team 4

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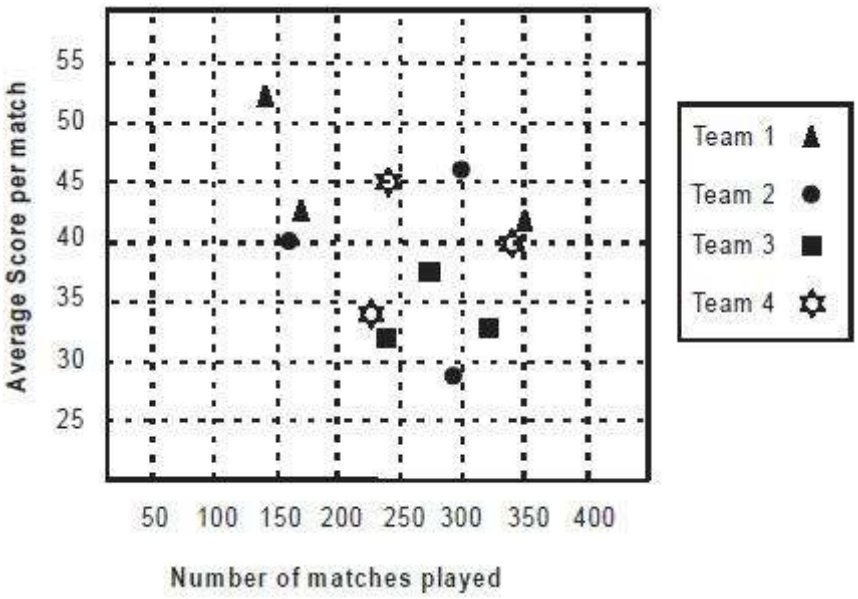

Q 15. How many players are there who have played more than 200 matches and have scored less than 9,000 runs?

a) 2

b) 3

c) 4

d) 5

Q 16. What is the overall average score of those players of Team 4, whose averages are better than the average of that player who has played the second highest number of matches for Team 3?

a) 41.16

b) 42.50

c) 42.07

d) 43.40

Q 17. There are four persons Kurt, Cobain, Jim and Morrison out of whom two always lie and the other two always speak the truth. Each of the four persons makes a statement which is given below.

Kurt: Cobain lies.
Cobain: Jim lies.
Jim: Kurt speaks the truth.
Morrison: Exactly two out of Kurt, Cobain and Jim lie.

Who can be the liers?

a) Kurt and Cobain

b) Cobain and Morrison

c) Kurt and Jim

d) Either (b) or (c)

Q 18. Six people P, Q, R, S, T and V are standing in a row facing North. Further information is given below:

1. There are exactly 3 people between Q and S. One of them is T.
2. V and T are on the same side of S and there are exactly 2 people between them.
3. P is to the left of V but to the right of R.

How many people are there between R and V?

a) 1

b) 3

c) 4

d) 5

Q 19. The question given below is followed by two statements, A and B. Mark the answer using the following instructions:
Mark (a) if the question can be answered by using either statement alone.
Mark (b) if the question can be answered by using one of the statements alone, but cannot be answered by using the other statement alone.
Mark (c) if the question cannot be answered even by using both the statements together.
Mark (d) if the question can be answered by using both the statements together, but cannot be answered by using either statement alone.

Q. Out of 300 members of a sports club, where facilities of only three games are in place, 140 members play Cricket, 130 members play Hockey and 150 members play Football. Each member plays atleast one out of the three games mentioned. How many members play only Hockey?
A. All the members who play both Hockey and Football play Cricket also.
B. For every five members who play atleast two games, there are three members who play all the three games.

a)

b)

c)

d)

Q 20. Five people A, B, C, D and E stay in five different rooms of GMVN Hotel. Their rooms lie in a row and are numbered serially from □101□ to □105□. The number of C□s room is smaller than that of E□s room which in turn is smaller than that of A□s room. Moreover, the difference between the room numbers of E and C is the same as the difference between the room numbers of A and E. D is in room number 104 and his room is not next to E□s room. What is E□s room number?

a) 102

b) 101

c) 105

d) Data Insufficient

Q 21. Five men are sitting around a circular table in such a way that all of them can see each other. Each of these five men is wearing a hat the colour of which is not known to him. However, all of them are aware that the hats have to be either black or white in colour and there are at least two hats of each colour. How many of them can deduce the colour of their hats if they are not allowed to communicate with each other?

a) 1

b) 2

c) 3

d) 4

Q 22. The question given below is followed by two statements, A and B. Mark the answer using the following instructions:
Mark (a) if the question can be answered by using Statement A alone, but cannot be answered by using Statement B alone.
Mark (b) if the question can be answered by using Statement B alone, but cannot be answered by using Statement A alone.
Mark (c) if the question cannot be answered even by using both the statements together.
Mark (d) if the question can be answered by using either statement alone.

Q. A man has 57 pens. He wants to distribute these pens among his 3 sons such that his eldest son receives the highest number of pens. What will be the number of pens received by the eldest son?
A. The number of pens received by the sons are in Arithmetic Progression.
B. The number of pens received by the sons are in Geometric Progression.

a)

b)

c)

d)

Directions for questions 23 to 25: Answer the questions on the basis of the information given below.
Alok, Bharti, Chaman, Dinu, Ekant and Faisal are the only people available for selection in a team. The team should have at least two people subject to the following conditions.
• If Bharti is selected then Dinu should also be selected while Ekant should be rejected.
• If Alok is selected then exactly one from Bharti and Chaman should also be selected.
• If Chaman is selected then Ekant should also be selected while Faisal should be rejected.
• If the size of the team is less than 4 then Dinu and Faisal cannot be selected together.

Q 23. If Bharti and Faisal are not selected in the team then who should definitely be selected?

a) Chaman

b) Ekant

c) Dinu

d) Alok

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• If Alok is selected then exactly one from Bharti and Chaman should also be selected.
• If Chaman is selected then Ekant should also be selected while Faisal should be rejected.
• If the size of the team is less than 4 then Dinu and Faisal cannot be selected together.

Q 24. Which of the following pairs of two people cannot be selected along with any one else out of the remaining 4 people?

a) Bharti and Dinu

b) Chaman and Ekant

c) Dinu and Ekant

d) Ekant and Faisal

Q 25. If the team selected is of the maximum possible size, then who is/are definitely selected in the team?

a) Alok

b) Dinu

c) Bharti

d) Both Alok and Dinu

Q 26. The question given below is followed by two statements, A and B. Mark the answer using the following instructions:
Mark (a) if the question can be answered by using one of the statements alone, but cannot be answered by using the other statement alone.
Mark (b) if the question can be answered by using both the statements together, but cannot be answered by using either statement alone.
Mark (c) if the question can be answered by using either statement alone.
Mark (d) if the question cannot be answered even by using both the statements together.

Q. When three times of the unit□s digit of a number is subtracted from the number, 28 is obtained.
What is the number?
A. The digit at the ten□s place is greater than the digit at the unit□s place.
B. The digit at the ten□s place is less than the digit at the unit□s place.

a)

b)

c)

d)

Q 27. P, Q, R, S and T were the five participants in a race. Before the race, there were five predictions made for the final positions. The predictions were
(1) TRQPS
(2) SPTRQ
(3) SRQPT
(4) QSPTR
(5) SRQTP
The leftmost means the first position and the rightmost means the fifth position in any sequence.
No prediction was completely correct. But two of them correctly predicted the position of exactly two of the runners. The remaining three predictions were incorrect for all the five participants. What was the actual outcome of the race?

a) QPSTR

b) QPTSR

c) QTPSR

d) QPTRS

Q 28. In a family of seven people A, B, C, D, E, F and G there is exactly one pair of twins. B is younger than F but older than E, G and D. C is younger than E but older than A and D. G is younger than F and E. Which of the following can be the pair of twins?

a) B, C

b) A, E

c) C, G

d) F, G

Q 29. The question given below is followed by two statements, A and B. Mark the answer using the following instructions:
Mark (a) if the question can be answered by using either statement alone.
Mark (b) if the question can be answered by using one of the statements alone, but cannot be answered by using the other statement alone.
Mark (c) if the question cannot be answered even by using both the statements together.
Mark (d) if the question can be answered by using both the statements together, but cannot be answered by using either statement alone.

Q. Two friends, Mubashir and Himanshu, are standing in a room in a way that Mubashir is 5 steps to the left of door 1 and 4 steps to the right of door 2, and Himanshu is 4 steps to the left of door 1 and 5 steps to the right of door 2. Each of them tosses a coin and moves one step right if the outcome is heads and moves one step left if the outcome is tails. After a series of tosses both of them stop on reaching a door.

Who is at which door?
A. Mubashir gets 5 more heads than tails, and Himanshu 5 more tails than heads.
B. They stop after 17 tosses each.

a)

b)

c)

d)

Directions for questions 30 to 32: Answer the following questions on the basis of information given below:

Four people M_1, M_2, M_3 and M_4 own four different brands of bikes B_1, B_2, B_3 and B_4 and four different brands of cars C_1, C_2, C_3 and C_4 respectively. Each person likes exactly one of the four bikes and one of the four cars mentioned. Each bike and each car is liked by exactly one of the four persons. Further it is known that:

i. M_1 likes the bike of the person who likes C_1 and B_4.

ii. The person who likes B_3 is the only person who likes his own car and he is not M_3.

Q 30. Which car is liked by M_3?

a) C_1

b) C_2

c) C_3

d) C_4

Q 31. Which of the following statements is correct?

a) M_1 likes M_2's bike and M_4's car.

b) B_4's owner likes C_1.

c) The person who likes C_3 also likes B_2.

d) C_4 is liked by the owner of B_3.

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i. M_1 likes the bike of the person who likes C_1 and B_4.

ii. The person who likes B_3 is the only person who likes his own car and he is not M_3.

Q 32. Which bike is liked by M_2?

a) B_1

b) B_2

c) B_3

d) B_4