Practice Exercise - 1

Set-1

Sixty-four players seeded from seed 1 to seed 64 participated in a knock-out tennis tournament. Seed 1 is the highest seed and seed 64 is the lowest seed. The tournament would be played in six rounds i.e., first round, second round, third round, quarterfinals, semi finals and final. In the first round, the player with the highest seed (i.e., 1) would play with the player with the lowest seed (i.e., 64) which is designated Match No.1.

Similarly, the player with the second highest seed (i.e., 2) would play with the player with the second lowest seed (i.e., 63), which is designated Match No.2 and so on. In the second round, the winner of the Match No.1 of the first round would play with the winner of the Match No.32 of the first round and this match is designated Match No.1 of the second round.

Similarly, the winner of the Match No.2 of the first round would play with the winner of the Match No.31 of the first round and this match is designated Match No.2 of the second round and so on. In the similar pattern the subsequent rounds will be played.

Q1. If the player seeded 43 won the tournament, then which of the following players cannot be the runner-up?

1. Player seeded 44
2. Player seeded 45
3. Player seeded 46
4. Player seeded 36

Q2. Who could be the lowest seeded player facing the player seeded 12 in the finals?

1. 57
2. 59
3. 62
4. 63

Q3. If one of the matches was between the players seeded 23 and 46, then one of the matches in the tournament can be between players seeded

1. 9 and 13
2. 6 and 18
3. 5 and 51
4. 17 and 15

Q4. If there are only five upsets (a lower seeded player beating a higher seeded player) in the tournament, then who could be the lowest seeded player winning the tournament?

1. 16
2. 17
3. 63
4. 32

Set- 2

Amit. Basheer, Chris. Dharam and Esso are 5 friends. All of them are of different heights. The tallest person's position is numbered 1, the next tallest 2, and so on, till the shortest whose position number is 5.

I. The sum of Amit's position number and Esso 's position number is equal to the sum of Dharam's position number and Chris' position number.

II. Chris is not the shortest and Amit is not the tallest.

III. Chris is shorter than Amit, and Dharam is shorter than Basheer.

Q1. Who is the tallest?

1. Basheer
2. Amit
3. Esso
4. Either Basheer or Amit
5. Cannot be determined

Q2. If Dharam is shorter than Chris, then the sum of the position numbers of which of the following combinations is/are a perfect square?

1. Basheer and Amit
2. Dharam and Ess0
3. Chris and Basheer
4. More than one of the above
5. None of the above

Q3. If Dharam is shorter than Chris. then which of the following is true?

1. if made to stand in decreasing order of their heights, no two persons whose names start with consecutive alphabets (as in the alphabetical series) stand adjacent to each other.
2. The sum of the position numbers of Chris and Amit is equal to the position number of Esso.
3. The sum of the position numbers of Dharam and Esso is a prime number.
4. Basheer is not tallerthan Chris.
5. None of the above

Set-3

There are eight members P, Q, R, S, T, U, V and W in a family. These eight persons belong to three different generations, such that there are three married couples, while two members are unmarried. Each couple has at least a child.

Further it is known that each of these eight persons works with a different company among A, B, C, D, E, F, G and H in any order. V and Ft are the only siblings in the family and U, W, R and S are of the same gender. W and V do not form a married couple.

The person who works with A is the mother of the person who works with F, who, in turn, is a female. V, does not work with E, and his daughter is S. R works with B. The person who works with G and the one who works with E belong to the same generation. The person who works with G is a female, whereas the person who works with E is a male. The person who works with C is the maternal grandfather of Q, who, in turn, works with D. T works with H.

Q1. Which company does W work with?

1. H
2. G
3. F
4. A

Q2. Who among the following is the spouse of the person working with E?

1. R
2. S
3. W
4. The person works with E is unmarried.

Q3. Which of the following pairs of persons form a married couple?

1. V and U
2. S and T
3. R and T
4. More than one of the above

Q4. Which of the following statements is/are definitely true?

1. U works with A.
2. W is the daughter of P.
3. Q is a male.
4. More than one of the above

Last modified: Tuesday, 8 November 2022, 7:19 AM

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