## cracku

## Seating Arrangement Questions For CAT

27 Oct 2017


Instructions: For the following three questions: Answer the questions on the basis of the information given below.

Seven varsity basketball players (A, B, C, D, E, F, and G) are to be honoured at a special luncheon. The players will be seated on the dais in a row. A and $G$ have to leave the luncheon early and so must be seated at the extreme right. $B$ will receive the most valuable player's trophy and so must be in the centre to facilitate presentation. $C$ and $D$ are bitter rivals and therefore must be seated as far apart as possible.

## Question 1:

Which of the following cannot be seated at either end?
A. C
B. D
C. $F$
D. G

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## Question 2:

Which of the following pairs cannot be seated together?
A. B \& D
B. C \& F
C. $D \& G$
D. $E \& A$

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Question 3:
Which of the following pairs cannot occupy the seats on either side of $B$ ?
A. F\&D
B. D\&E
C. E\&G

## D. C\&F

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## Number System Questions for CAT

[Test-2]

## Question 4:

Six persons are playing a card game sitting around a circular table. Suresh is facing Raghubir who is to the left of Ajay and to the right of Pramod. Ajay is to the left of Dhiraj. Yogendra is to the left of Pramod. If Dhiraj exchanges his seat with Yogendra and Pramod exchanges with Raghubir, who will be sitting to the left of Dhiraj?
A. Yogendra
B. Raghubir
C. Suresh
D. Ajay

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## Question 5:

Abraham, Border, Charlie, Dennis and Elmer and their respective wives recently dined together and were seated at a circular table. The seats were so arranged that men and women alternated and each woman was three places distant from her husband. Mrs. Charlie sat to the left of Mr. Abraham. Mrs. Elmer sat two places to the right of Mrs. Border. Who sat to the right of Mr. Abraham?
A. Mrs. Dennis
B. Mrs. Elmer
C. Mrs. Border
D. Mrs. Border or Mrs. Dennis

## Number System Question for CAT [Download PDF]

## Solutions:

1) Answer (C)

According to given conditions we can conclude,

| LEFT |  |  |  |  |  | RIGHT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SEAT-1 | SEAT-2 | SEAT-3 | SEAT-4 | SEAT-5 | SEAT-6 | SEAT-7 |
| C/D | E/F | F/E | B | D/C | G/A | A/G |
|  |  |  |  |  |  |  |

Hence, F cannot be seated at either end.

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2) Answer (D)

According to given conditions following arrangements are possible,

| LEFT |  |  |  |  |  | RIGHT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SEAT-1 | SEAT-2 | SEAT-3 | SEAT-4 | SEAT-5 | SEAT-6 | SEAT-7 |
| C/D | E/F | F/E | B | D/C | G/A | A/G |
|  |  |  |  |  |  |  |

Hence E and A cannot be seated together.
3) Answer (A)

According to given conditions possible arrangement is as,

| LEFT |  |  |  |  |  | RIGHT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SEAT-1 | SEAT-2 | SEAT-3 | SEAT-4 | SEAT-5 | SEAT-6 | SEAT-7 |
| C/D | E/F | F/E | B | D/C | G/A | A/G |
|  |  |  |  |  |  |  |

Hence E and G cannot occupy seats on either sides of B.

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The correct original circular arrangement sequence in clockwise manner is Suresh, Dhiraj, Ajay, Raghuveer, Pramod, Yogendra.


So after the changes, Suresh is to the left of Dhiraj.

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5) Answer (D)

Mrs. Abraham can't be sitting next to him as per the seating arrangement. Wives sit three places away from their husbands.

Mrs. Charlie is sitting to the left of Mr. Abraham. So, she can't be sitting to his right.

Mrs. Elenor is sitting two places to the right of Mrs. Border (and not Mrs. Charlie). So, she can't be sitting right next to Mr. Abraham.

Mrs. Border and Mrs. Dennis are the remaining two wives and each is equally likely to to be sitting to the right of Mr. Abraham.

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