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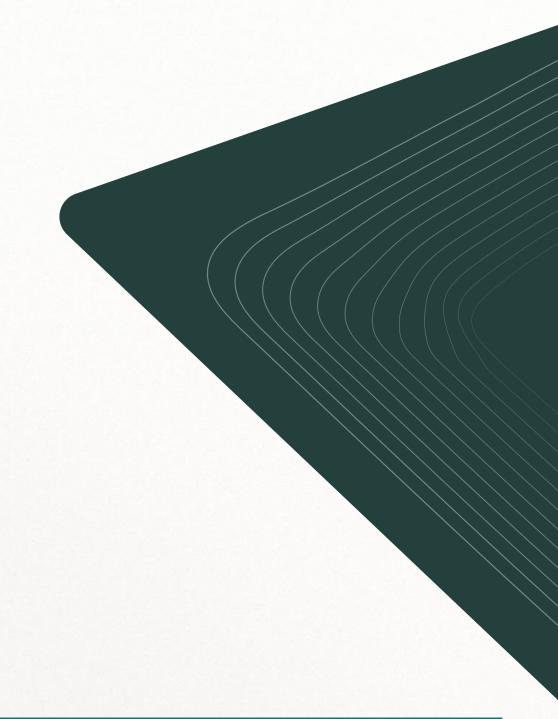
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# **SCAN ME**





# CAT 2005





# CAT 2005 - DILR Set

### Answer the questions on the basis of the information given below.

The year is 2089. Beijing, London, New York, and Paris are in contention to host the 2096 Olympics. The eventual winner is determined through several rounds of voting by members of the IOC with each member representing a different city. All the four cities in contention are also represented in IOC.

- 1) In any round of voting, the city receiving the lowest number of votes in that round gets eliminated. The survivor after the last round of voting gets to host the event.
- 2) A member is allowed to cast votes for at most two different cities in all rounds of voting combined. (Hence, a member becomes ineligible to cast a vote in a given round if both the cities (s)he voted for in earlier rounds are out of contention in that round of voting.)
- 3) A member is also ineligible to cast a vote in a round if the city (s)he represents is in contention in that round of voting.
- 4) As long as the member is eligible, (s)he must vote and vote for only one candidate city in any round of voting. The following incomplete table shows the information on cities that received the maximum and minimum votes in different rounds, the number of votes cast in their favour, and the total votes that were cast in those rounds.

Round	Total Votes	Maximum votes cast		Eliminated	
		City	No. of	City	No. of
1		London	30	New York	12
2	83	Paris	32	Beijing	21
3	75				

### It is also known that:

- All those who voted for London and Paris in round, 1 continued to vote for the same cities in subsequent rounds as long as these cities were in contention. 75% of those who voted for Beijing in round 1, voted for Beijing in round 2 as well.
- Those who voted for New York in round 1, voted either for Beijing or Paris in round 2.
- The difference in votes cast for the two contending cities in the last round was 1.
- 50% of those who voted for Beijing in round 1, voted for Paris in round 3.

- 1. What percentage of members from among those who voted for New York in round 1, voted for Beijing in round 2?
  - 1. 33.33

2. 50

3. 66.67

- 4. 75
- 2. What is the number of votes cast for Paris in round 1?
  - 1. 16

18

3. 22

- 4. 24
- 3. What percentage of members from among those who voted for Beijing in round 2 and were eligible to vote in round 3, voted for London?
  - 1. 33.33

2. 38.10

3. 50

- 4. 66.67
- 4. Which of the following statements must be true?
  - IOC member from New York must have voted for Paris in round 2.
  - II. IOC member from Beijing voted for London in round 3.
  - 1. Only I

- . Only II
- 3. Both I and II
- 4. Neither I nor II



# CAT 2005 - DILR Set

### Answer the questions on the basis of the information given below.

- All those who voted for London and Paris in round, 1 continued to vote for the same cities in subsequent rounds as long as these cities were in contention. 75% of those who voted for Beijing in round 1, voted for Beijing in round 2 as well.
- Those who voted for New York in round 1, voted either for Beijing or Paris in round 2.
- The difference in votes cast for the two contending cities in the last round was 1.
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#	Total Votes	London	Paris	Beijing	New York
1					
2					
3					

1.	What percentage of members from among those
	who voted for New York in round 1, voted for
	Beijing in round 2?

1. 33.33

. 50

3. 66.67

4. 75

2. What is the number of votes cast for Paris in round 1?

1. 16

2. 18

3. 22

4. 24

3. What percentage of members from among those who voted for Beijing in round 2 and were eligible to vote in round 3, voted for London?

1. 33.33

2. 38.10

3. 50

4. 66.67

4. Which of the following statements must be true?

. IOC member from New York must have voted for Paris in round 2.

II. IOC member from Beijing voted for London in round 3.

1. Only I

2. Only II

3. Both I and II

4. Neither I nor II



# **CONTACT US**



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