

September Sprint for CAT 2025

Class 22

Logical DI





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September Sprint Schedule

Date	Topic	Date	Topic	Date	Topic
01-Sep	Number System - 1	11-Sep	Games and Tournament	21-Sep	Algebra - 3
02-Sep	Arrangement	12-Sep	Odd One Out	22-Sep	Logical DI
03-Sep	Number System - 2	13-Sep	Chart Based DI - 3	23-Sep	Geometry - 1
04-Sep	Para Completion	14-Sep	Arithmetic - 4	24-Sep	Reading Comprehension - 3
05-Sep	Arithmetic - 1	15-Sep	Venn Diagram	25-Sep	Geometry - 2
06-Sep	Chart Based DI - 1	16-Sep	Reading Comprehension - 2	26-Sep	Quantitative Reasoning
07-Sep	Arithmetic - 2	17-Sep	Algebra - 1	27-Sep	Geometry - 3
08-Sep	Reading Comprehension - 1	18-Sep	Routes and Network	28-Sep	Parajumbles
09-Sep	Chart Based DI - 2	19-Sep	Algebra - 2	29-Sep	Misc. LR topics
10-Sep	Arithmetic - 3	20-Sep	Para Summary	30-Sep	Modern Maths

Preparing for MBA exams for 2025-26?



- Recorded concept videos
- Solved questions – basic to advanced
- Topic wise Practice sheets
- Doubt Resolution Group
- Doubt session live classes
- In VA, grammar and vocab also covered
- In LR, OMET topics covered

Price: **15000/-**

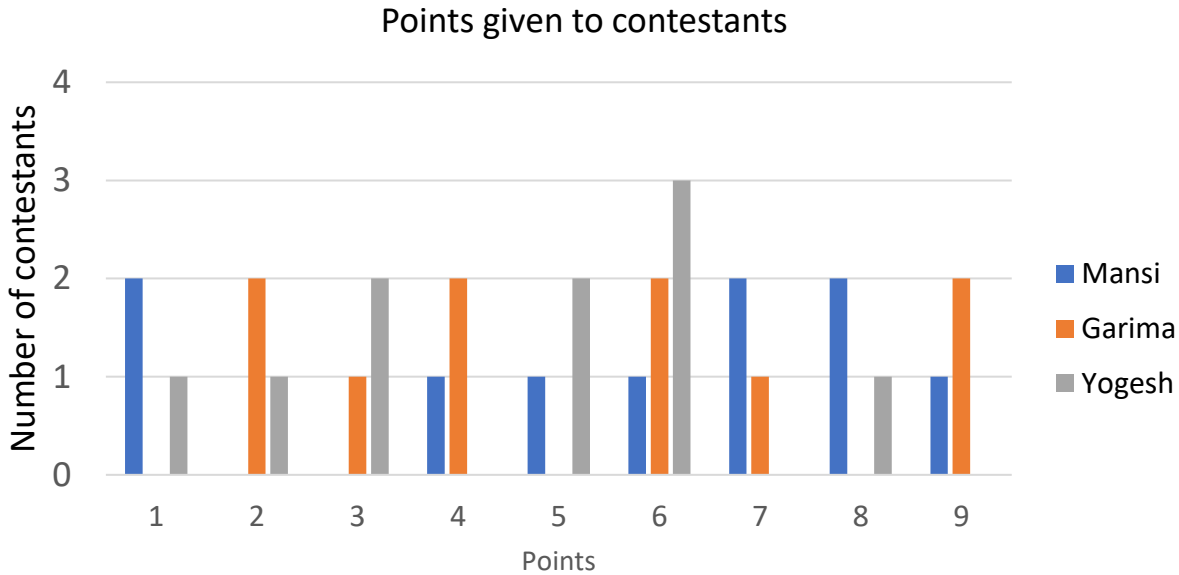
Section-wise modules are also available

Pause the video, solve the set, and then look at the solution!



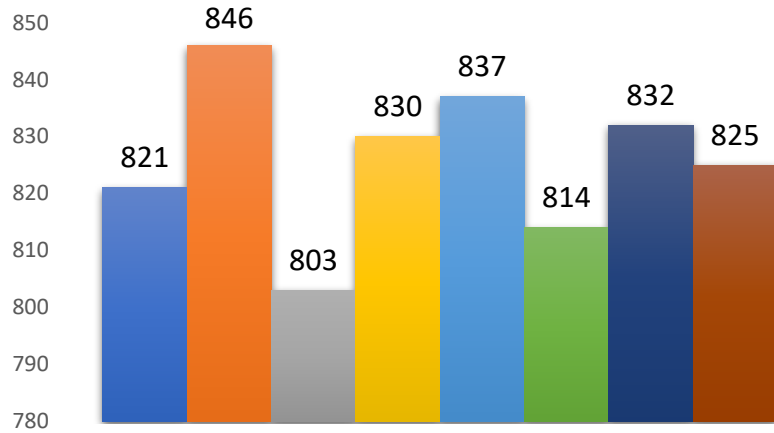
In a dance competition, there were 10 contestants and three judges – Garima, Yogesh, and Mansi. Each judge rated each of the contestants on a rating 1-10. The table below gives partial information about the points received by the participants from the judges. All the candidates got less than 25 points. The chart below shows the points given by the judges to the contestants:

Participant	Garima	Yogesh	Mansi	Total
Farhat		5		12
Latika		8	8	
Omkar	2			9
Wahida				15
Charles		3		
Harsh	6			20
Ayushi		6		12
Reeta		1		10
Taresh	9			21
Sukhvir		3	6	12



- What is the maximum score of a contestant?
- How many points did Charles get?
- How many contestants received the same points from at least 2 judges?
- How many contestants received less than 8 points from each of the judges?

Hitesh asked his students how many marks they scored in the recent mock CAT. Each of the 8 students, Manu, Isha, Simmi, Parv, Leela, Adam, Changez, and Edwin, told him the sum of the marks of the remaining 7 students. The responses of these students are given in the bar graph. He even forgot who responded with what number.



1. What is the difference between the maximum and the minimum scores of these students?
2. If Adam is the only person whose score is between 120 and 130, how many marks did he score?
3. How many students scored more than 100 marks?

Additional Information:

The score of Isha is the average score of Changez and Manu, and the score of Manu is the average score of Simmi and Edwin.

4. Who scored the least marks on the test?
A. Isha B. Changez C. Edwin D. Simmi
5. What is the difference between the marks of Edwin and Simmi?
A. 27 B. 25 C. 22 D. Cannot be determined



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10 QA Sectionals (Video Solutions)



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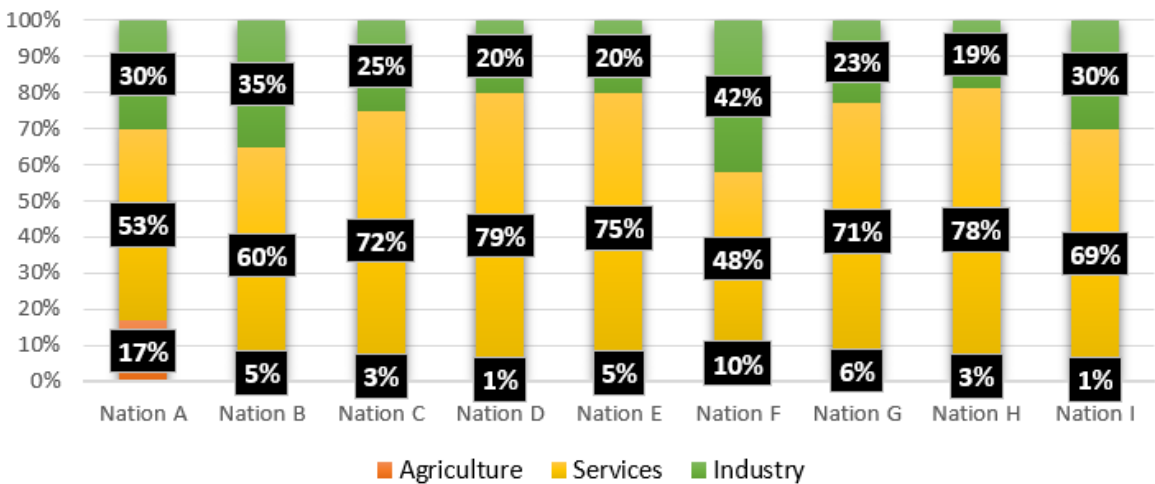
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XAT – 10
CMAT – 10
MAHCET – 20
CUET PG – 10
MICAT – 5
XGMT – 5
SRCC GBO - 5

CAT and OMETs Mocks by MBA Karo

The following graph depicts sector-wise percentage contributions to the gross domestic product (GDP) of nine nations, labeled "Nation A", "Nation B" and so on. It is known that these nations are Brazil, China, France, Germany, India, Japan, Russia, the UK, and the USA, but not necessarily in the same order.

Share of GDP by Sectors



The following, however, are known:

i) The GDPs of the nine nations (in US\$ trillion) are:

Nation	Brazil	China	France	Germany	India	Japan	Russia	UK	USA
GDP	2	10	3	4	2	5	2	3	17

ii) China has the highest agriculture sector GDP, valued at US \$1 trillion, followed respectively by the USA and India

iii) In terms of percentage contribution to the respective nations' GDPs by their service sectors, the UK and France are respectively the first and the second

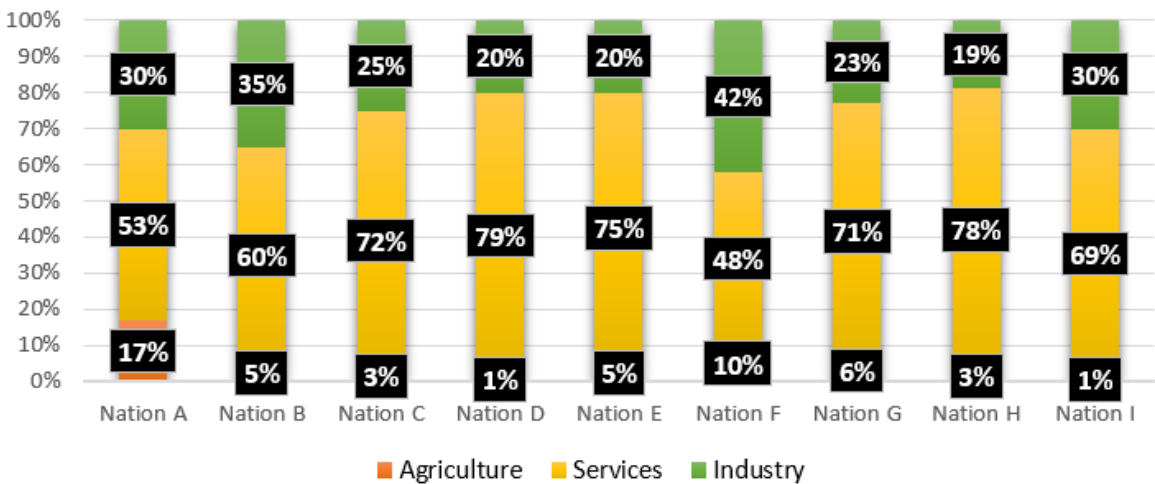
iv) Nation A, Nation B, and Nation G have the same GDP

v) The GDP of India's industry sector is lower than the GDP of Russia's industry sector. However, it is larger than that of Brazil's industry sector

Based on the given information, how many nations can uniquely be identified?

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Share of GDP by Sectors



Nation	Code
Brazil	G
China	F
France	H
Germany	C/E/I
India	A
Japan	C/E/I
Russia	B
UK	D
USA	C/E

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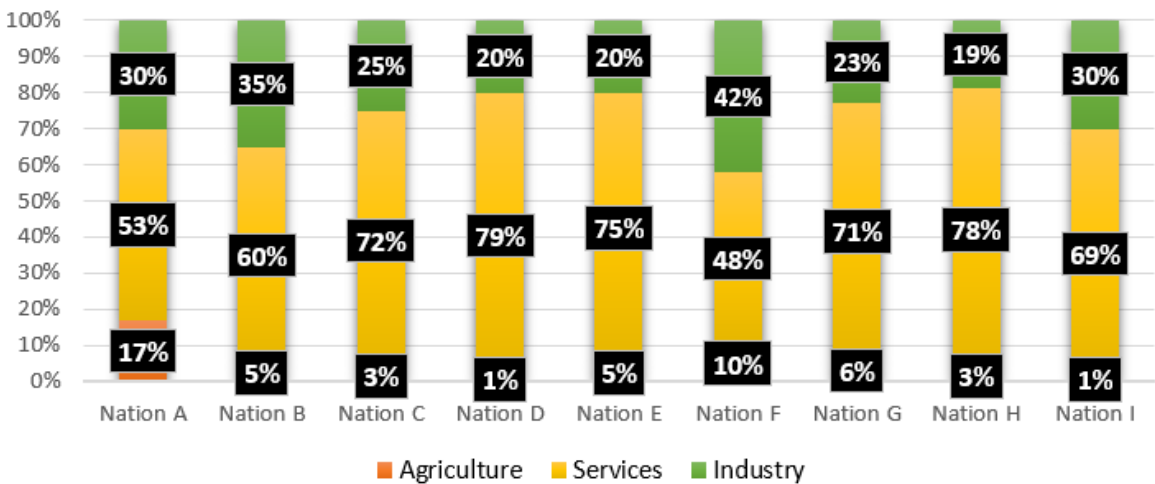
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Which country is disguised as Nation B?

- A. Brazil B. India C. Russia D. Cannot be determined

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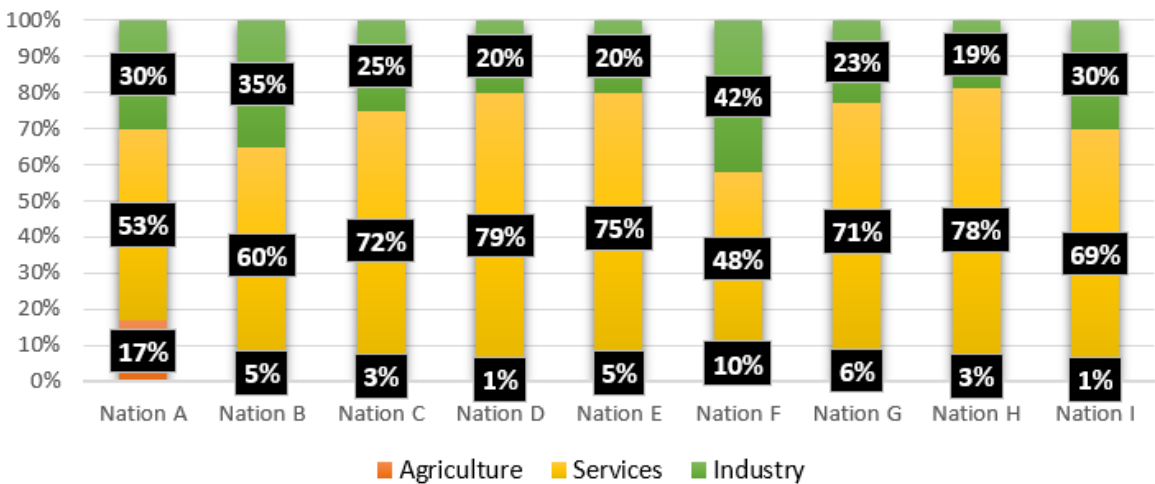
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Based on the given information, which of the following CANNOT be ruled out?

- A. Russia is Nation G
- B. Japan is Nation E
- C. US is Nation I
- D. India is Nation B

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What can be the maximum contribution (in \$ billion) by Japan to its industry sector?



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There are 5 departments in a company. The table below gives the ratio of male and female employees and the ratio of employees who come by office cab and those who come on their own.

Department	Male: Female	Cab: Own
Finance	9:5	5:2
HR	2:5	3:1
IT	7:6	3:2
Marketing	4:3	2:3
Operations	3:2	1:4

Which of the following cannot be the total number of employees in the company?

- A. 162 B. 166 C. 175 D. 178

If each department has the minimum possible number of employees, then the maximum value of the number of women in any one of these five departments is?

If there are 186 employees in the company, how many men work in the operations department?

- A. 12 B. 15 C. 18 D. Cannot be determined

If each department of the company has an equal number of employees, then which department has the highest number of employees coming by cab?

- A. Operations B. HR C. Finance D. IT

If each department of the company has an equal number of employees, then the minimum number of men, who come by own transport in any one of these five departments is

Preparing for MBA exams for 2025-26?

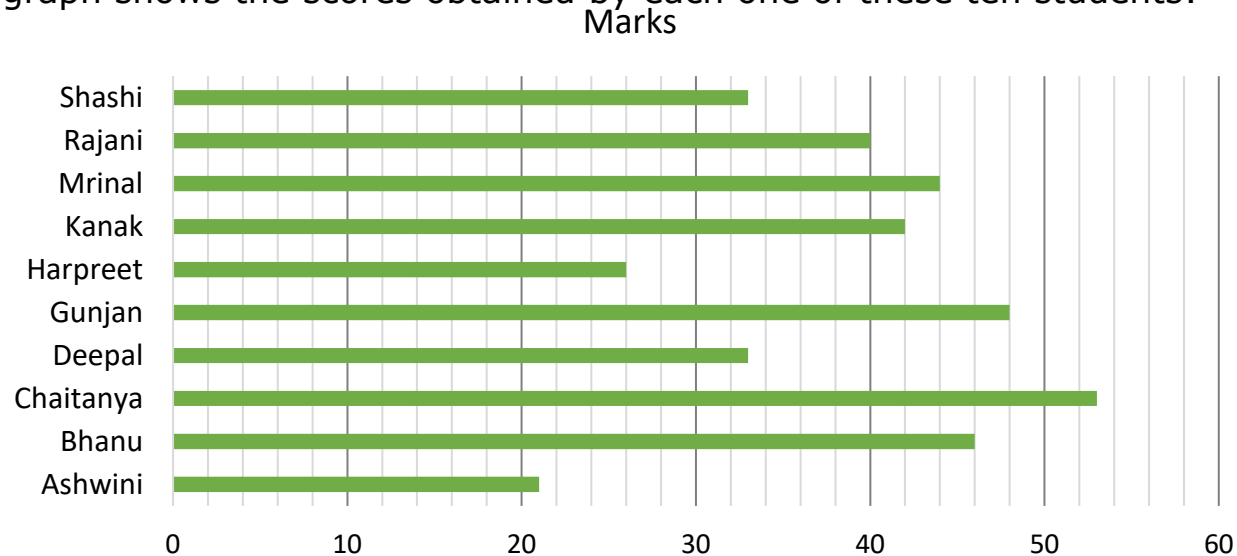


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Ten students took a test that contained 20 questions. Each correct answer fetched 3 marks and each wrong answer attracted a penalty of 1 mark. A question left un-attempted did not result in any marks. The following graph shows the scores obtained by each one of these ten students:



It is also known that:

- (i) Out of these students five were boys and the sum of their scores was 198.
- (ii) The difference between the lowest and highest scores obtained by boys was equal to the difference between the lowest and highest scores obtained by girls.
- (iii) No two boys as well as no two girls scored the same number of marks.

At most how many questions were answered correctly by the boys?

At most how many girls could have attempted all the 20 questions?

If one of the girls attempted exactly 14 questions, then who among the following is definitely a boy?

- A. Deepal
- B. Gunjan
- C. Shashi
- D. Rajani

For how many of these ten students is it possible to determine the exact value of the number of questions answered correctly by them?



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You

