## gradeup SUPER

## 30 + Analytical Reasoning

 Practice QuestionsDirection (1-5) : Study the following information carefully and answer the given questions:

Nine letters are arranged in such a manner to form a meaningful word. Letters in a word are arranged from left to right.Letter $L$ is placed at the middle of the word. Number of letters placed to the left of letter O is same as the number of letters placed to the right of letter D. Letter G is placed adjacent to letter D . Letter O is placed second to the left of L . There are two E's in the word. Same letters are not placed adjacent to each other. Number of letters placed between letter L and G are same as the number of letters placed between letter L and N . Letter E is placed second to the right of D . Letter W is placed adjacent to letter $\mathrm{O} . \mathrm{K}$ is one of the letters in the word but it is not placed adjacent to letter D 1.

How many letters are placed to the right of letter W in the meaningful word formed?
A. Two
B. Three
C. Four
D. Five
E. More than five
2.If the position of letter ' $G$ ' is interchanged with the letter ' $N$ ' then which of the following letter will be second to the left of letter N ?
A. E
B. $K$
C. W
D. G
E. L
3. Which of the following letter is placed exactly between letter W and letter G?
A. The one which is placed second to the left of letter K.
B. O
C. The one which is placed immediate right to letter L.
D. The one which is placed adjacent to letter N .
E. None of these
4. Which of the following is/are true with respect to the given arrangement?

1) Letter $D$ is placed third from the right end of the word
2) Letter $O$ is placed adjacent to $G$
3) Letter $N$ is placed third to the left of $L$
A. Both (1) and (3)
B. Both (2) and (3)
C. Both (1) and (2)
D. Either (1) or (2)
E. All (1), (2) and (3)
5. Which of the following letter is placed to the left of letter O ?
A. K
B. D
C. G
D. E
E. None of these

Direction: In these questions, relationship between different elements is show in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer:

## 6. Statements:

A $\leq \mathrm{X}=\mathrm{T}<\mathrm{R} \geq \mathrm{G}>\mathrm{D} ; \mathrm{E}>\mathrm{R} \geq \mathrm{S}=\mathrm{M}$

## Conclusions:

I. $\mathrm{E}>\mathrm{A}$
II. $D=M$
A. Both conclusions I and II are true
B. Either conclusion I or II is true
C. Only conclusion I is true
D. Neither conclusions I nor II is true
E. Only conclusion II is true
\#\#\#COMMON\#\#\#7\#\#\#8\#\#\#Direction: Study the following data carefully and answer the questions accordingly.

N has a mother-in-law. J is married to $\mathrm{N} . \mathrm{R}$ is the daughter of P , who is the father of J. L has only one daughter and one son. M is the father-in-law of J .
7.

How is L related to J?
A. Son
B. Daughter
C. Daughter-in-law
D. Mother
E. None of these
8. How many females are there?
A. Two
B. One
C. Four
D. Three
E. None of these
9.Four words have been given out of which three are alike in some manner, while one is different. Choose the odd one.
A. Taj Mahal
B. Tomb of Jahangir
C. Shalimar Gardens
D. Humayun Tomb

Direction: In the following question, some statements followed by some conclusions are given. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows the given statements.
10.

## Statement:

1. No Triangle is a rectangle.
2. All Spheres are Triangles.

## Conclusions:

I. All Spheres are Rectangles.
II. No rectangle is a sphere.
III. Some sphere are rectangle.
A. Either conclusion II or conclusion III follow.
B. None of the conclusions follows.
C. Only conclusion II follows.
D. Only conclusion II and III follow.
11.A husband and a wife had five married sons and each of them had four children. How many members are there in the family?
A. 32
B. 36
C. 30
D. 40
12.If in a certain way BASKET is coded as ABRLDU, then how KEYBOARD will be coded in the same manner?
A. JFXCMBQE
B. JFXCNCQE
C. JFXCNBSE
D. JFXCNBQE
E. None of these
13.If 'LOST' is coded as 'KNRS', then how is 'GAIN' coded as?
A. FXHN
B. FZHN
C. FZIM
D. FZHM
E. FZEM

Direction (14-18): In the following questions assuming the given statement to be true, find which of the conclusion(s) among given conclusions is/are definitely true and then give your answers accordingly.
14.

Statements:
$K \leq L>M, N=O \geq P, K>Q>N$

## Conclusions:

I. $M>Q$
II. $M \geq K$
A. Only I is true
B. Only II is true
C. Either I or II is true
D. Neither I nor II is true
E. Both I and II are true
15.

## Statements:

$K \leq L>M, N=O \geq P, K>Q>N$

## Conclusions:

I. $\mathrm{K}=\mathrm{O}$
II. $\mathrm{K}>\mathrm{O}$
A. Only I is true
B. Only II is true
C. Either I or II is true
D. Neither I nor II is true
E. Both I and II are true

Direction (16-20) : Study the following data carefully and answer the questions accordingly.

Seven people S, F, T, Y, W, V, and H live in a seven-storey building in a society but not necessarily in the same order. One person lives on one floor. The ground floor is numbered 1 and the top floor is numbered 7. H lives above Y. F lives immediately below T. S lives above V. W lives on an even-numbered floor. Three people live between T and V. V lives above the fourth floor.
16.

Who lives on the ground floor?
A. W
B. T
C. F
D. $Y$
E. None of these
17. How many people live above $H$ ?
A. Five
B. Three
C. One
D. Two
E. None of these
18. Who lives immediately above $Y$ ?
A. T
B. H
C. S
D. W
E. None of these
19. S is related to H and T is related to W , in the same way, V is related to $\qquad$ -.
A. $T$
B. $Y$
C. $F$
D. W
E. None of these
20.Find the correct statement from the following.
A. F lives above H
B. V lives immediately above $S$
C. T lives on an even-numbered floor
D. $Y$ lives on the top floor
E. None is correct
21. How many digits are there in the number 396257481 each of which remains the same as when the digits are arranged in descending order within the number?
A. Three
B. One
C. Two
D. Four
22.Select the option in which the words share the same relationship as that shared by the given pair of words.
Carpenter: Table :: Sculptor :?
A. Statue
B. Painting
C. Stone
D. Scale
23.Select the option in which the words share the same relationship as that shared by the given pair of words.
Brim : Edge
A. Dearth : Scarcity
B. Squander : Plenty
C. Equation : Term
D. Sensible : Decide
24.Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(S) from the statements.

## Statements:

I. No Bike is a Scooter.
II. No Bike is a car.

## Conclusions:

I. No Car is a Scooter.
II. At least some cars are scooters.
A. only conclusion I follows.
B. only conclusion II follows.
C. either conclusion I or II follows.
D. neither conclusion I nor II follows.
25.Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:

1) No points are plane.
2) Some plane are sphere.
3) All sphere are circle.

## Conclusions:

I. Some circle are plane.
II. Some circle are sphere.
III. All points are circle.
IV. All points are plane.
A. All follow.
B. Only conclusion IV follows.
C. Only conclusion I and II follow.
D. Either conclusion I or III follows.

Direction (26-30) : Study the information given below and answer the given questions based on it.

Eight tyros Q, U, E, S, T, I, O and N who have to attend the MBA counseling in the months of, September, October, November and December. In each month, the MBA counseling will be conducted on either 20th or 28 th of the month. No more than two of them have a MBA Counseling on the same month.
O attended the counseling on either 20th of November or 20 th of September. N attends the counseling before the date on which I attend the counseling. There are four tyros attend the counseling between the O and S . There is one tyro attend the counseling between $S$ and $U$. There are four tyros attend the counseling between $U$ and $T$. There are three tyros attend the counseling between $T$ and $Q$. There is one tyro attending the counseling between E and T . N does not attend the counseling in the month of November.
26. Who among following attends the MBA counseling on 28 th of September?
A. U
B. T
C. O
D. N
E. S
27.How many tyro (s) attend(s) the counseling between I and S?
A. One
B. Three
C. Five
D. Two
E. Four
28.S attends the counseling on which date and month?
A. $20^{\text {th }}$ December
B. $28^{\text {th }}$ October
C. $28^{\text {th }}$ November
D. $20^{\text {th }}$ October
E. None of these
29. How many tyro (s) attend the counseling between I and O ?
A. Four
B. Three
C. Five
D. Two
E. One
30.Who among following attends the counseling in the month of October?
A. E, I
B. T, I
C. $\mathrm{O}, \mathrm{T}$
D. $\mathrm{E}, \mathrm{T}$
E. N, I

Direction (31-35) : Study the following data carefully and answer the questions accordingly.

Eight people D, E, F, G, H, J, K, and L are sitting around a circular table facing inside the center. G does not sit immediately left of $L$. $K$ and $D$ are immediate neighbors. At most one person sits between J and E. Only one person sits between J and L. H sits immediate right of $F$. Three people sit between D and $E$. Four people sit between $E$ and $L$.
31.

Who sits between $L$ and $K$, when counted from left of $L$ ?
A. H
B. D
C. F
D. E
E. None of these
32. Who sits second to the right of J ?
A. G
B. E
C. F
D. H
E. None of these
33. Who sits opposite to H ?
A. J
B. D
C. L
D. G
E. None of these
34.If all the persons are arranged according to alphabetical series from D clockwise, then how many persons will remain unchanged (excluding D)?
A. One
B. Two
C. Three
D. More than three
E. None is true
35.Find the odd one
A. H, F
B. L, G
C. $\mathrm{F}, \mathrm{D}$
D. $G, \mathrm{~J}$
E. K, H

## \# \# \# ANSWERS\# \# \#

1. Ans. D.
1) Letter $L$ is placed at the middle of the word.
2) Letter $O$ is placed second to the left of $L$.

Case

3) Number of letters placed to the left of letter $O$ is same as the number of letters placed to the right of letter D.
(Only two letters are placed to the left of O hence two letters will be placed to the right of D.)

## Case


4) Letter $G$ is placed adjacent to letter $D$.
(There can be two possible cases here.)
Case 1


Case 2

5) Number of letters placed between letter $L$ and $G$ are same as the number of letters placed between letter $L$ and $N$.
(In case 1 no letter is placed between letter $L$ and $G$ hence no letter will be placed between letter $L$ and $N$.)
(In case 2 two letters are placed between letter $L$ and $G$ hence two letters will be placed between letter $L$ and N.)

## Case 1



Case 2

6) Letter $E$ is placed second to the right of $D$.
7) Letter $W$ is placed adjacent to letter $O$.

Case 1


## Case 2


8) K is one of the letters in the word but it is not placed adjacent to letter D .

Case 1


Case 2

9) There are two E's in the word.
10) Same letters are not placed adjacent to each other.

Case 1 gets eliminated here as there is no possible place left for letter $E$.
Final solution


Clearly, five letters are placed to the right of letter W in the meaningful word formed.
2. Ans. A.

1) Letter $L$ is placed at the middle of the word.
2) Letter $O$ is placed second to the left of $L$.

Case

3) Number of letters placed to the left of letter $O$ is same as the number of letters placed to the right of letter D.
(Only two letters are placed to the left of O hence two letters will be placed to the right of D.)

Case

4) Letter G is placed adjacent to letter D.
(There can be two possible cases here.)
Case 1


Case 2

5) Number of letters placed between letter $L$ and $G$ are same as the number of letters placed between letter $L$ and $N$.
(In case 1 no letter is placed between letter $L$ and $G$ hence no letter will be placed between letter L and N .)
(In case 2 two letters are placed between letter $L$ and $G$ hence two letters will be placed between letter $L$ and N.)
Case 1


Case 2

6) Letter $E$ is placed second to the right of $D$.
7) Letter $W$ is placed adjacent to letter $O$.

Case 1


Case 2

8) K is one of the letters in the word but it is not placed adjacent to letter D.

Case 1


Case 2

9) There are two E's in the word.
10) Same letters are not placed adjacent to each other.

## Case 1 gets eliminated here as there is no possible place left for letter E .

Final solution


Clearly, letter E will be placed second to the left of letter N after the position of letter ' G ' is interchanged with letter ' N '.
3. Ans. C.

1) Letter $L$ is placed at the middle of the word.
2) Letter $O$ is placed second to the left of $L$.

Case

3) Number of letters placed to the left of letter $O$ is same as the number of letters placed to the right of letter D.
(Only two letters are placed to the left of $O$ hence two letters will be placed to the right of D.)

Case

4) Letter G is placed adjacent to letter D.
(There can be two possible cases here.)
Case 1


Case 2

5) Number of letters placed between letter $L$ and $G$ are same as the number of letters placed between letter $L$ and $N$.
(In case 1 no letter is placed between letter $L$ and $G$ hence no letter will be placed between letter $L$ and $N$.)
(In case 2 two letters are placed between letter $L$ and $G$ hence two letters will be placed between letter $L$ and $N$.)
Case 1


Case 2

6) Letter $E$ is placed second to the right of $D$.
7) Letter $W$ is placed adjacent to letter $O$.

Case 1


Case 2

8) K is one of the letters in the word but it is not placed adjacent to letter D.

Case 1


## Case 2


9) There are two E's in the word.
10) Same letters are not placed adjacent to each other.

## Case 1 gets eliminated here as there is no possible place left for letter $E$.

Final solution


Clearly, the one which is placed immediate right to letter $L$ is placed exactly between letter W and letter G.
4. Ans. A.

1) Letter $L$ is placed at the middle of the word.
2) Letter $O$ is placed second to the left of $L$.

Case

3) Number of letters placed to the left of letter $O$ is same as the number of letters placed to the right of letter D
(Only two letters are placed to the left of $O$ hence two letters will be placed to the right of D)

Case

4) Letter $G$ is placed adjacent to letter $D$
(There can be two possible cases here.)
Case 1


Case 2

5) Number of letters placed between letter $L$ and $G$ are same as the number of letters placed between letter $L$ and $N$.
(In case 1 no letter is placed between letter $L$ and $G$ hence no letter will be placed between letter L and N.)
(In case 2 two letters are placed between letter $L$ and $G$ hence two letters will be placed between letter L and N.)

## Case 1



Case 2

6) Letter $E$ is placed second to the right of $D$
7) Letter $W$ is placed adjacent to letter $O$.

Case 1


Case 2

8) K is one of the letters in the word but it is not placed adjacent to letter D

Case 1


Case 2

9) There are two E's in the word.
10) Same letters are not placed adjacent to each other.

Case 1 gets eliminated here as there is no possible place left for letter $E$
Final solution


Clearly, letter $D$ is placed third from the right end of the word and letter $N$ is placed third to the left of $L$ are true statements among the given statements with respect to the given arrangement.
5. Ans. A.

1) Letter $L$ is placed at the middle of the word.
2) Letter $O$ is placed second to the left of $L$.

Case

3) Number of letters placed to the left of letter $O$ is same as the number of letters placed to the right of letter D
(Only two letters are placed to the left of $O$ hence two letters will be placed to the right of D)

Case

4) Letter $G$ is placed adjacent to letter $D$ (There can be two possible cases here.)
Case 1


Case 2

5) Number of letters placed between letter $L$ and $G$ are same as the number of letters placed between letter $L$ and $N$.
(In case 1 no letter is placed between letter $L$ and $G$ hence no letter will be placed between letter $L$ and $N$.)
(In case 2 two letters are placed between letter $L$ and $G$ hence two letters will be placed between letter L and N.)
Case 1


Case 2

6) Letter $E$ is placed second to the right of $D$
7) Letter $W$ is placed adjacent to letter $O$.

Case 1


Case 2

8) K is one of the letters in the word but it is not placed adjacent to letter D

Case 1


Case 2

9) There are two E's in the word.
10) Same letters are not placed adjacent to each other.

## Case 1 gets eliminated here as there is no possible place left for letter $\mathbf{E}$

Final solution


Clearly, letter K is placed to the left of letter O.
6. Ans. C.

Given,
For conclusion I,
$\mathrm{E}>\mathrm{R}>\mathrm{T}=\mathrm{X} \geq \mathrm{A}$
Therefore, clearly we can see that $\mathrm{E}>\mathrm{A}$. So, conclusion I is true.
For conclusion II,
$M=S \leq R \geq G>D$
Since, we can see that no relation exist for $D$ and $M$, therefore conclusion II is not true.
7. Ans. D.

+ denote Male and - denote female. Double line denotes couple. Single straight/slant line denotes parent-child relationship. Single horizontal line denotes siblings.
Note: M is the father-in-law of J, so M is the father of N .
$R$ is the daughter of $P$, who is the father of J. This states that $J$ and $R$ are siblings.
N has a mother-in-law and so L is the mother of N 's husband J. Now, L has only one daughter and one son and so J is a male and his wife N is female.


L is mother of J .
Therefore, option $D$ is the correct answer.
8. Ans. D.

+ denote Male and - denote female. Double line denotes couple. Single straight/slant line denotes parent-child relationship. Single horizontal line denotes siblings.
Note: M is the father-in-law of J, so M is the father of N .
$R$ is the daughter of $P$, who is the father of $J$. This states that $J$ and $R$ are siblings.
N has a mother-in-law and so L is the mother of N 's husband J. Now, L has only one daughter and one son and so J is a male and his wife N is female.


There are 3 females.
Therefore, option D is the correct answer.
9. Ans. D.

All were constructed by Shahjahan except Humayun Tomb.
Note: Taj Mahal, Tomb of Jahangir, Shalimar gardens were constructed by Shahjahan while Humayun tomb was constructed by Akbar.
Hence, option D is the correct answer.
10. Ans. C.

Possible Venn-diagram of the given statements is -


## Conclusions:

I. All Spheres are Rectangles - (It does not follow as its even not possible to occur because sphere is the part of triangle.)
II. No rectangle is a sphere - (It follows because sphere is the part of triangle and No Triangle is a rectangle.)
III. Some sphere are rectangle - (It does not follow because some and all can not exist to establish a conclusion between sphere and rectangle as per the given statements.)
Thus, Only conclusion II follows.
Hence, option (C) is the correct response.
11. Ans. A.

Husband $\Rightarrow$ One
Wife $\Rightarrow$ One
Five married sons
$\Rightarrow 5 \times 2=10$
Number of children
$\Rightarrow 5 \times 4=20$
Total number of members
$=1+1+10+20=32$
12. Ans. D.

The $1^{\text {st }}$ letter of the word is replaced by its previous letter and the $2^{\text {nd }}$ letter of the word is replaced by its succeeding letter. This process continued till the last letter.


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KEYBOARD
||||||||
JFXCNBQE
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Clearly, KEYBOARD will be coded as JFXCNBQE.
13. Ans. D.

All the letters of the word are replaced by their preceding letter according to English alphabetical series.
Clearly, 'GAIN' coded as FZHM.
14. Ans. D.

Given statements: $\mathrm{K} \leq \mathrm{L}>\mathrm{M}, \mathrm{N}=\mathrm{O} \geq \mathrm{P}, \mathrm{K}>\mathrm{Q}>\mathrm{N}$
On combining: $\mathrm{M}<\mathrm{L} \geq \mathrm{K}>\mathrm{Q}>\mathrm{N}=\mathrm{O} \geq \mathrm{P}$
Conclusions:
I. $\mathrm{M}>\mathrm{Q} \rightarrow$ False (as $\mathrm{M}<\mathrm{L} \geq \mathrm{K}>\mathrm{Q} \rightarrow$ hence clear relation between M \& Q cannot be determineD.
II. $\mathrm{M} \geq \mathrm{K} \rightarrow$ False (as $\mathrm{M}<\mathrm{L} \geq \mathrm{K} \rightarrow$ hence clear relation between M \& K cannot be determineD.
Hence, neither conclusion I nor II is true.
15. Ans. B.

Given statements: $\mathrm{K} \leq \mathrm{L}>\mathrm{M}, \mathrm{N}=\mathrm{O} \geq \mathrm{P}, \mathrm{K}>\mathrm{Q}>\mathrm{N}$
On combining: $\mathrm{M}<\mathrm{L} \geq \mathrm{K}>\mathrm{Q}>\mathrm{N}=\mathrm{O} \geq \mathrm{P}$
Conclusions:
I. $\mathrm{K}=\mathrm{O} \rightarrow$ False (as $\mathrm{K}>\mathrm{Q}>\mathrm{N}=\mathrm{O} \rightarrow \mathrm{K}>\mathrm{O}$ )
II. $\mathrm{K}>\mathrm{O} \rightarrow$ True (as $\mathrm{K}>\mathrm{Q}>\mathrm{N}=\mathrm{O} \rightarrow \mathrm{K}>\mathrm{O}$ )

Hence, only conclusion II follows.
16. Ans. C.

1) V lives above the fourth floor.
2) $S$ lives above $V$.

Case 1

| 7 |  |
| :--- | :--- |
| 6 |  |
| 5 | V |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 |  |

Case 2

| 7 |  |
| :--- | :--- |
| 6 | V |
| 5 |  |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 |  |

3) Three people live between $T$ and $V$.
4) $F$ lives immediately below $T$.
(Here, case 1 will be eliminated and we will continue with the case 2 )

Case 1


Case 2

| 7 |  |
| :--- | :--- |
| 6 | V |
| 5 |  |
| 4 |  |
| 3 |  |
| 2 | T |
| 1 | F |

Refer point 2.
5) W lives on an even-numbered floor.
6) H lives above Y .

| 7 | S |
| :--- | :--- |
| 6 | V |
| 5 | H |
| 4 | W |
| 3 | Y |
| 2 | T |
| 1 | F |

Therefore, option C is the correct answer.
17. Ans. D.

1) V lives above the fourth floor.
2) $S$ lives above $V$.

## Case 1

Case 2

| 7 |  |
| :--- | :--- |
| 6 |  |
| 5 | V |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 |  |


| 7 |  |
| :--- | :--- |
| 6 | V |
| 5 |  |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 |  |

3) Three people live between $T$ and $V$.
4) F lives immediately below $T$.
(Here, case 1 will be eliminated and we will continue with the case 2 )

## Case 1

| 7 |  |
| :--- | :--- |
| 6 |  |
| 5 | V |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 | T |

## Case 2

| 7 |  |
| :--- | :--- |
| 6 | V |
| 5 |  |
| 4 |  |
| 3 |  |
| 2 | T |
| 1 | F |

Refer point 2.
5) W lives on an even-numbered floor.
6) H lives above $Y$.

| 7 | S |
| :--- | :--- |
| 6 | V |
| 5 | H |
| 4 | W |
| 3 | Y |
| 2 | T |
| 1 | F |

Therefore, option $D$ is the correct answer.
18. Ans. D.

1) V lives above the fourth floor.
2) $S$ lives above $V$.

## Case 1

| 7 |  |
| :--- | :--- |
| 6 |  |
| 5 | V |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 |  |

Case 2

| 7 |  |
| :--- | :--- |
| 6 | V |
| 5 |  |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 |  |

3) Three people live between $T$ and $V$.
4) $F$ lives immediately below $T$.
(Here, case 1 will be eliminated and we will continue with the case 2 )

Case 1

| 7 |  |
| :--- | :--- |
| 6 |  |
| 5 | V |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 | T |

Case 2

| 7 |  |
| :--- | :--- |
| 6 | V |
| 5 |  |
| 4 |  |
| 3 |  |
| 2 | T |
| 1 | F |

Refer point 2.
5) W lives on an even-numbered floor.
6) H lives above Y .

| 7 | S |
| :--- | :--- |
| 6 | V |
| 5 | H |
| 4 | W |
| 3 | Y |
| 2 | T |
| 1 | F |

Therefore, option $D$ is the correct answer.
19. Ans. D.

1) V lives above the fourth floor.
2) $S$ lives above $V$.

## Case 1

| 7 |  |
| :--- | :--- |
| 6 |  |
| 5 | V |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 |  |

Case 2

| 7 |  |
| :--- | :--- |
| 6 | V |
| 5 |  |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 |  |

3) Three people live between $T$ and $V$.
4) $F$ lives immediately below $T$.
(Here, case 1 will be eliminated and we will continue with the case 2 )

Case 1

| 7 |  |
| :--- | :--- |
| 6 |  |
| 5 | V |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 | T |

Case 2

| 7 |  |
| :--- | :--- |
| 6 | V |
| 5 |  |
| 4 |  |
| 3 |  |
| 2 | T |
| 1 | F |

Refer point 2.
5) W lives on an even-numbered floor.
6) H lives above Y .

| 7 | S |
| :--- | :--- |
| 6 | V |
| 5 | H |
| 4 | W |
| 3 | Y |
| 2 | T |
| 1 | F |

Therefore, option $D$ is the correct answer.
20. Ans. C.

1) V lives above the fourth floor.
2) $S$ lives above $V$.

## Case 1

| 7 |  |
| :--- | :--- |
| 6 |  |
| 5 | V |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 |  |

Case 2

| 7 |  |
| :--- | :--- |
| 6 | V |
| 5 |  |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 |  |

3) Three people live between $T$ and $V$.
4) F lives immediately below $T$.
(Here, case 1 will be eliminated and we will continue with the case 2 )

Case 1

| 7 |  |
| :--- | :--- |
| 6 |  |
| 5 | V |
| 4 |  |
| 3 |  |
| 2 |  |
| 1 | T |

## Case 2

| 7 |  |
| :--- | :--- |
| 6 | V |
| 5 |  |
| 4 |  |
| 3 |  |
| 2 | T |
| 1 | F |

Refer point 2.
5) W lives on an even-numbered floor.
6) H lives above Y .

| 7 | S |
| :--- | :--- |
| 6 | V |
| 5 | H |
| 4 | W |
| 3 | $Y$ |
| 2 | T |
| 1 | F |

Therefore, option C is the correct answer.
21. Ans. C.

In this question, we show that -
396257481

The number after the rearrangement in descending order within number will be -
987654321
396257481
Thus the number 1 and 5 remains the same i.e. total of two digits.
So, the correct answer is option C.
22. Ans. A.

A carpenter makes table. Similarly sculptor makes statue.
Hence, option A is the correct answer.
23. Ans. A.

As 'Brim' means 'Edge' similarly 'Dearth' is the synonyms of 'Scarcity'
Rest all are antonyms word pair.
Hence, A is the correct answer.
24. Ans. C.


The direct relation between Bike and scooter \& Bike and car is given but that of car and scooter is not given directly so either no car is a scooter or some cars are scooters. Hence, option C is the correct answer.
25. Ans. C.

Minimum Possible diagram is-


Conclusions:
I. Some circle are plane. (It follows as its obvious from the above diagram.)
II. Some circle are sphere. (It follows as its obvious from the above diagram.)
III. All points are circle. (It does not follow as its obvious from the above diagram.)
IV. All points are plane. (It does not follow as its obvious from the above diagram.)

So, Only conclusion I and II follow.
Hence, option C is the Correct answer.
26. Ans. D.

- O attended the counseling on the either 20th of November or 20th of September. (There will be two possibility)


## Case 1 Case 2

20th 28th 20th 28th
Sep 0
Oct

Nov O
Dec

- There are four tyros attend the counseling between the $O$ and $S$. (This will cancel case 2 as there will be no position for $S$ )
- There is one tyro attend the counseling between S and U .
- There are four tyros attend the counseling between U and T .

Case 1
20th 28th
Sep 0
Oct T
Nov S
Dec U

- There are three tyros attend the counseling between T and Q.
- There is one tyro attending the counseling between $E$ and $T$.
- $N$ does not attend the counseling in the month of November.
- $N$ attends the counseling before the date on which I attend the counseling.

20th 28th
Sep O N
Oct T I
Nov E S
Dec Q U
Hence, N attends the MBA counseling on 28th of September.
27. Ans. A.

- O attended the counseling on the either 20 th of November or 20 th of September. (There will be two possibility)
Case 1 Case 2
20th 28th 20th 28th
Sep 0
Oct
Nov 0
Dec
- There are four tyros attend the counseling between the $O$ and $S$. (This will cancel case 2 as there will be no position for $S$ )
- There is one tyro attend the counseling between $S$ and $U$.
- There are four tyros attend the counseling between U and T .

Case 1
20th 28th
Sep 0
Oct T
Nov S
Dec U

- There are three tyros attend the counseling between $T$ and Q .
- There is one tyro attending the counseling between $E$ and $T$.
- N does not attend the counseling in the month of November.
- $N$ attends the counseling before the date on which I attend the counseling.

20th 28th
Sep O N
Oct T I
Nov E S
Dec Q U
It is clear from the above that one tyro i.e. $E$ attend the counseling between I and $S$.
28. Ans. C.

- O attended the counseling on the either 20th of November or 20th of September. (There will be two possibility)
Case 1 Case 2
20th 28th 20th 28th
Sep 0
Oct
Nov O
Dec
- There are four tyros attend the counseling between the O and S . (This will cancel case 2 as there will be no position for S)
- There is one tyro attend the counseling between S and U .
- There are four tyros attend the counseling between U and T .

Case 1
20th 28th
Sep 0
Oct T
Nov S
Dec U

- There are three tyros attend the counseling between T and Q .
- There is one tyro attending the counseling between E and T.
- N does not attend the counseling in the month of November.
- N attends the counseling before the date on which I attend the counseling.

20th 28th
Sep O N
Oct T I
Nov ES
Dec Q U
Hence, $S$ attends the counseling on $28^{\text {th }}$ November.
29. Ans. D.

- O attended the counseling on the either 20th of November or 20th of September. (There will be two possibility)
Case 1 Case 2
20th 28th 20th 28th
Sep O
Oct
Nov O
Dec
- There are four tyros attend the counseling between the O and S . (This will cancel case 2 as there will be no position for S)
- There is one tyro attend the counseling between S and U .
- There are four tyros attend the counseling between $U$ and $T$.

Case 1
20th 28th
Sep 0
Oct T
Nov S
Dec U

- There are three tyros attend the counseling between T and Q .
- There is one tyro attending the counseling between E and T .
- N does not attend the counseling in the month of November.
- N attends the counseling before the date on which I attend the counseling.

20th 28th
Sep O N

## Oct T I

Nov E S
Dec Q U
N and T attend the counseling between I and O .
30. Ans. B.

- O attended the counseling on the either 20th of November or 20th of September. (There will be two possibility)


## Case 1 Case 2

20th 28th 20th 28th
Sep 0
Oct
Nov 0
Dec

- There are four tyros attend the counseling between the $O$ and $S$. (This will cancel case 2 as there will be no position for $S$ )
- There is one tyro attend the counseling between S and U .
- There are four tyros attend the counseling between U and T .

Case 1
20th 28th
Sep 0
Oct T
Nov S
Dec U

- There are three tyros attend the counseling between T and Q .
- There is one tyro attending the counseling between $E$ and $T$.
- $N$ does not attend the counseling in the month of November.
- $N$ attends the counseling before the date on which I attend the counseling.

20th 28th
Sep O N
Oct T I
Nov E S
Dec Q U
T and I attends the counseling in the month of October.
31. Ans. B.

1) Only one person sits between J and L.

Case 1


J

Case 2

2) Four people sit between $E$ and $L$.
3) At most one person sits between J and $E$.

## Case 1

## Case 2


J

J
4) Three people sit between $D$ and $E$.
5) $K$ and $D$ are immediate neighbors.
6) H sits immediate right of F .

## Case 1

K


J

Case 2

K


J
7) $G$ does not sit immediately left of $L$.
(Here, case 1 will be eliminated)


Therefore, option B is the correct answer.
32. Ans. C.

1) Only one person sits between J and L.

Case 1
Case 2

2) Four people sit between $E$ and $L$.
3) At most one person sits between J and E.

## Case 1



J

Case 2


J
4) Three people sit between $D$ and $E$.
5) $K$ and $D$ are immediate neighbors.
6) H sits immediate right of $F$.

Case 1

K


J

Case 2

K


J
7) $G$ does not sit immediately left of $L$. (Here, case 1 will be eliminated)


Therefore, option C is the correct answer.
33. Ans. D.

1) Only one person sits between J and L.

Case 1
Case 2

2) Four people sit between $E$ and $L$.
3) At most one person sits between J and E.

## Case 1



J

Case 2


J
4) Three people sit between $D$ and $E$.
5) $K$ and $D$ are immediate neighbors.
6) H sits immediate right of $F$.

## Case 1

K


J

Case 2

K


J
7) $G$ does not sit immediately left of $L$. (Here, case 1 will be eliminated)


Therefore, option $D$ is the correct answer.
34. Ans. B.

1) Only one person sits between J and L.

Case 1
Case 2

2) Four people sit between $E$ and $L$.
3) At most one person sits between J and E.

## Case 1



J


J
4) Three people sit between $D$ and $E$.
5) $K$ and $D$ are immediate neighbors.
6) H sits immediate right of $F$.

## Case 1

K


J

Case 2

K


J
7) $G$ does not sit immediately left of $L$. (Here, case 1 will be eliminated)


Therefore, option B is the correct answer.
35. Ans. C.

1) Only one person sits between J and L.

Case 1
Case 2

2) Four people sit between $E$ and $L$.
3) At most one person sits between J and $E$.

## Case 1



J


J
4) Three people sit between $D$ and $E$.
5) $K$ and $D$ are immediate neighbors.
6) H sits immediate right of $F$.

## Case 1

K


J

Case 2

K


J
7) $G$ does not sit immediately left of $L$. (Here, case 1 will be eliminated)


Only F and D are not immediate neighbors of each other in the given options. Therefore, option $C$ is the correct answer.

## * gradeup SUPER

## CLAT \& other Law Entrance Exams



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