Quiz Date: 2 ${ }^{\text {nd }}$ April 2020

## Directions (1-5): Study the following information carefully and answer the questions

 given below:Eight persons R, Q, P, O, Y, X, U and N are sitting in two parallel rows having four persons in each row in such a way that there is an equal distance between the persons who sit adjacent to one another. Four of them are facing south and four of them are facing north. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. They all have different heights and lives on different floors of the same building having eight floors, but not necessarily in the same order.
X is seated second to the right of the person who is fourth tallest. X faces the person, who lives on Eighth floor. R is not the fourth and the second tallest person. The second tallest person is seated opposite to the one who sits third to the left of 0 . Either R or 0 lives on Seventh floor. Q sits to the immediate left of N who is taller than U . The one who lives on Fourth floor sits diagonally opposite to the person who lives on First floor. N does not live on Fourth and Fifth floor. Q is taller than P. The person who lives on Second floor sits immediate left of the person, who faces the person who is the tallest. Q is not an immediate neighbour of X. The one who lives on First floor sits second to the right of the person who lives on Sixth floor. The shortest person does not sit at any of the extreme ends of the rows. Only two persons are sitting between P and the fifth tallest person. Third shortest person sits opposite to the second tallest person. The third tallest person sits to the immediate right of $P$, who is not an immediate neighbour of the fourth tallest person. R is seated third to the left of the second tallest person. $P$ is not the fourth tallest person. $U$ sits opposite to one, who is an immediate neighbour of R . X and Q are not facing each other. O is facing towards North direction. $U$ is not the tallest. The persons who live on fourth floor and eighth floor are facing each other.

Q1. How many persons are taller than the one who lives on Eighth floor?
(a) Three
(b) Four
(c) Five
(d) One
(e) None of these

Q2. The tallest person lives on which of the following floors?
(a) Seventh
(b) Eighth
(c) Second
(d) First
(e) None of these

Q3. Who among the following sits opposite to the second shortest person?
(a) Y
(b) P
(c) 0
(d) U
(e) None of these

Q4. Who among the following is an immediate neighbour of the person who lives on the fourth floor?
(a) Y
(b) N
(c) Q
(d) R
(e) None of these

Q5. How many persons are shorter than the person who lives on second floor?
(a) One
(b) Two
(c) Three
(d) Four
(e) None of these


Directions (6-10): In each question below are given some statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

## Q6. Statements:

Only a few summer are rain.
No rain is water.
Only water are river.

## Conclusions:

I. Some River is Rain is a possibility.
II. Some Summer is Water is a possibility.

Q7. Statements:
Some pearl are emerald.
No emerald are opal.
No opal are sapphire.
Conclusions:
I. Some sapphire are not emerald.
II. No emerald are sapphire

## Q8. Statements:

Only lily are roses.
No lily is jasmine.
Only few jasmine are marigold.
Conclusions:
I. All marigold is jasmine is a possibility
II. Some rose is marigold is a possibility

## Q9. Statements:

No circle is square.
All triangle is square.
No line is triangle.

## Conclusions:

I. Some triangle is circle is a possibility
II. No line is square

Q10. Statements:
Only a few purple are yellow.
Only a few yellow is white.


Only white are green

## Conclusions:

I. Some green is yellow is a possibility
II. All yellow is purple is a possibility

Q11. In which of the following expression will the expression ' $\mathrm{I} \leq \mathrm{K}$ ' does not hold true?
(a) $\mathrm{I} \leq \mathrm{G}=\mathrm{M} \leq \mathrm{K} \leq \mathrm{H}$
(b) $\mathrm{G}>\mathrm{J}=\mathrm{K} \geq \mathrm{L} \geq \mathrm{M}=\mathrm{I}$
(c) $\mathrm{M}<\mathrm{K}=\mathrm{H} \geq \mathrm{I}=\mathrm{I}$
(d) $\mathrm{K}<\mathrm{G} \geq \mathrm{H}=\mathrm{L} \geq \mathrm{I}=\mathrm{K}$
(e) $\mathrm{I} \leq \mathrm{H}=\mathrm{G} \leq \mathrm{K}<\mathrm{J}$

Q12. In which of the following expressions will the expression 'J<I' does not hold true?
(a) $\mathrm{K} \geq \mathrm{J} \leq \mathrm{N}<\mathrm{H} \leq \mathrm{G}=\mathrm{I}$
(b) $\mathrm{K}<\mathrm{J}>\mathrm{G} \geq \mathrm{N}>\mathrm{H}=\mathrm{I}$
(c) $\mathrm{K} \leq \mathrm{J}<\mathrm{N} \leq \mathrm{H} \leq \mathrm{G}=\mathrm{I}$
(d) $K \leq J \leq H \leq N \leq G<I$
(e) $\mathrm{K}>$ J $<\mathrm{G}<\mathrm{N} \leq \mathrm{H}<$ I

Q13. How many words can be formed from the $1^{\text {st }}, 4^{\text {th }}, 8^{\text {th }}$ and $11^{\text {th }}$ letter of a word 'MANUFACTURE' by using each letter once in the word?
(a) Four
(b) Three
(c) Two
(d) One
(e) None

Directions (14-15): Study the following information carefully and answer the questions given below:
P, Q, R, S, T and V are six students studying in a class. Each of them has a different height and weight. The tallest is not the heaviest. T is taller than only P but lighter than R . Q is taller than S and P and heavier than only T and V . P is lighter than only S . T is heavier than V . S is taller than V and Q is not the tallest.

Q14. How many of them are heavier than T?
(a) One
(b) Two
(c) Three
(d) Five
(e) None of these

Q15. How many of them are shorter than Q ?
(a) Two
(b) Four
(c) Three
(d) Five
(e) None of these


## Solutions

## Solutions (1-5):

Sol.


Solutions (6-10):
S6. Ans.(b)
Sol.


S7. Ans.(d)
Sol.


S8. Ans.(a)
Sol.


S9. Ans.(d)
Sol.


S10. Ans.(b)
Sol.


S11. Ans.(d)
Sol.
$[\mathrm{K}<\mathrm{G} \geq \mathrm{H}=\mathrm{L} \geq \mathrm{I}=\mathrm{K}]$
S12. Ans.(b)
Sol. $[\mathrm{K}<\mathrm{J}>\mathrm{G} \geq \mathrm{N}>\mathrm{H}=\mathrm{I}]$

S13. Ans.(d)
Sol. MUTE
Solutions (14-15):
S14. Ans.(e)
Height $\rightarrow \mathrm{R}>\mathrm{Q}>\mathrm{S}>\mathrm{V}>\mathrm{T}>\mathrm{P}$
Sol. Weight $\rightarrow \mathrm{S}>\mathrm{P}>\mathrm{R}>\mathrm{Q}>\mathrm{T}>\mathrm{V}$

S15. Ans.(b)
Height $\rightarrow \mathrm{R}>\mathrm{Q}>\mathrm{S}>\mathrm{V}>\mathrm{T}>\mathrm{P}$
Sol. Weight $\rightarrow \mathrm{S}>\mathrm{P}>\mathrm{R}>\mathrm{Q}>\mathrm{T}>\mathrm{V}$


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