

Quiz Date: 26<sup>th</sup> May 2020

Directions (1-5): **Study the following information carefully and answer the question given below:**

Seven boxes labeled as A, B, C, D, E, F and G are kept one above the other but necessarily in the same order. Each of them contains a different food item viz. Onion, Potato, Cabbage, Carrot, Capsicum, Brinjal and Tomato, but not necessarily in the same order.

Only one box is there between the box which contains Tomato and the box which contains Brinjal. Box E is not kept at the lowermost position. There are only six boxes below the box which contains onion. Only three boxes are there between box E and box B. Box D is kept somewhere above box C. The box which contains carrot is kept somewhere below box F. More than five boxes are kept above the box which contains Carrot. Cabbage is not kept in box A. Box G does not contains Carrot. Box F is kept immediately below box A. Tomato is not kept in box D. Box G does not contain onion. Box E is kept somewhere below box B. Only two boxes are there between the box which contains Cabbage and box G. Boxes which contains potato and cabbage are adjacent to each other. The box which is kept immediately above box G contains Capsicum. Only one box is kept between box B and the box which contains Cabbage. Box E and the box which contains brinjal are kept adjacent to each other.

Q1. How many boxes are kept above the box which contains Potato?

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) More than four

Q2. Which of the following box is kept immediately above the box which contains Brinjal?

- (a) D
- (b) E
- (c) The box which contains tomato
- (d) F
- (e) The box which contains Carrot

Q3. Which of the following box contains Capsicum?

- (a) B
- (b) A
- (c) G
- (d) E
- (e) None of these

Q4. How many boxes are there between the boxes which contains Potato and Brinjal?

- (a) None
- (b) Three
- (c) Two
- (d) Four
- (e) None of these

Q5. Which of the following box lies below box G?

- (a) The box which contains Carrot
- (b) The box which contains Capsicum
- (c) F
- (d) D
- (e) The box which contains Onion

Directions (6-9): **Each of these questions is based on the following information:**

- (i)  $A \% B$  means A is 2m west of B.
- (ii)  $A @ B$  means A is 5m east of B.
- (iii)  $A \$ B$  means A is 1m north of B.
- (iv)  $A * B$  means A is 3m south of B.

Q6. If the expression ' $Q @ P \$ S * R, T \% R$ ' is true, what is the direction of T with respect to Q?

- (a) North
- (b) South
- (c) South-West
- (d) North-East
- (e) None of these

Q7. Which of the following expression shows, O is south-west of K?

- (a)  $L * N \% O @ M \$ K$
- (b)  $L * K @ M \$ N \% O$
- (c)  $K @ M \% N * O \$ L$
- (d)  $M \% L * N @ O \$ K$
- (e) None of these

Q8. If the expression ' $G @ E * F \$ H \% K$ ' is true, What is the Shortest distance between G and H?

- (a) 7m
- (b)  $\sqrt{29}$ m
- (c)  $\sqrt{11}$ m
- (d)  $\sqrt{34}$ m
- (e) 5m

Q9. If the expression ' $B \% C \$ D * G @ H$ ' is true, what is the direction of B with respect to H?

- (a) South- West
- (b) North-West
- (c) South- East
- (d) North- East
- (e) East

Q10. If Point A is west of B, D is east of C, B is south of C and D is north of E. Distance between all points are equal. So, what is the direction of point E with respect to A?

- (a) North
- (b) South-west
- (c) East
- (d) West
- (e) North-west

Directions (11-15): **In the following questions the symbols \$, #, @, % and & are used with the following meanings illustrated as below:**

'A \$ B' means 'A is not smaller than B'.

'A # B' means 'A is neither greater than nor equal to B'.

'A @ B' means 'A is neither smaller than nor equal to B'.

'A % B' means 'A is not greater than B'.

'A & B' means 'A is neither greater than nor smaller than B'.

In each of the following questions assuming the given statements to be true, find out which of the three conclusions I, II and III given below them is/are definitely true and indicate your answer accordingly.

Q11. Statements:

A & D, B # F, D @ C, C \$ B

Conclusions:

I. A @ B      II. B & A      III. F @ C

- (a) Either I or II only
- (b) I and II only
- (c) I only
- (d) II and III only
- (e) None is true

Q12. Statements:

W % N, N @ M, L @ Q, Q # W

Conclusions:

I. L @ N      II. Q @ M      III. L # W

- (a) I only
- (b) II and III only
- (c) Either I or III only
- (d) All I, II and III
- (e) None of true

Q13. Statements:

U # S, T# V, S % R, R & T

Conclusions:

I. U # R      II. U & R      III. S % V

- (a) I only
- (b) Either I or II only
- (c) III only
- (d) All I, II and III
- (e) None is true

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Q14. Statements:

E @ G, O % G, O \$ F, H & O

Conclusions:

I. E \$ F      II. E @ F      III. G \$ H

(a) II and III only

(b) II only

(c) III only

(d) III and either I or II

(e) None is true

Q15. Statements:

M @ A, A # R, R & W, W % X

Conclusions:

I. X @ M      II. X & A      III. X @ A

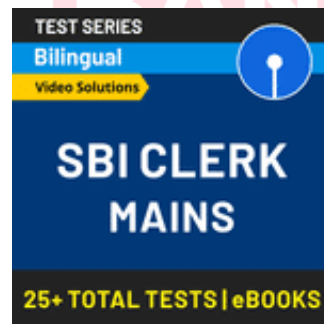
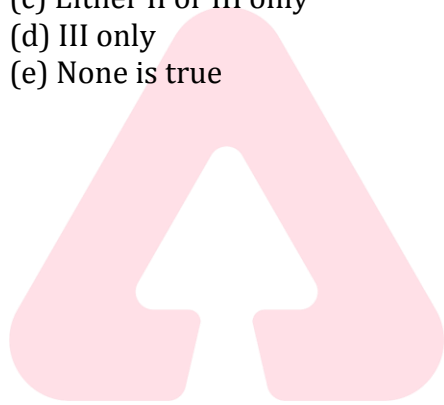
(a) I and II only

(b) II and III only

(c) Either II or III only

(d) III only

(e) None is true



Solutions

Solutions (1-5):

Sol.

Box	Item
B	Onion
A	Potato
F	Cabbage
D	Brinjal
E	Capsicum
G	Tomato
C	Carrot

S1. Ans.(a)

S2. Ans.(d)

S3. Ans.(d)

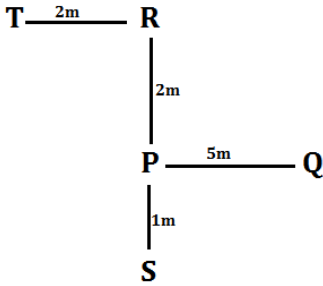
S4. Ans.(e)

S5. Ans.(a)

Solutions (6-9):

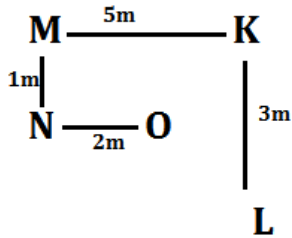
S6. Ans.(e)

Sol.



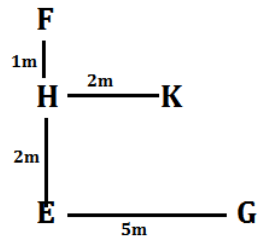
S7. Ans.(b)

Sol.



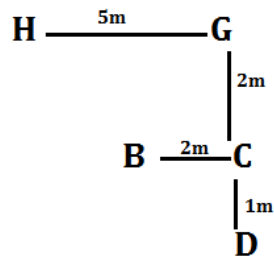
S8. Ans.(b)

Sol.



S9. Ans.(c)

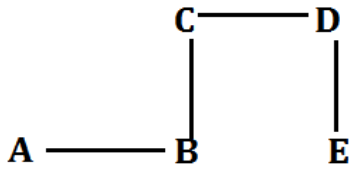
Sol.



S10. Ans.(c)

Sol.





Solutions (11-15):

S11. Ans.(c)

Sol.  $A = D > C \geq B < F$

S12. Ans.(e)

Sol.  $L > Q < W \leq K > M$

S13. Ans.(a)

Sol.  $U < S \leq R = T < V$

S14. Ans.(a)

Sol.  $E > G \geq O \geq F, H = O$

S15. Ans.(d)

Sol.  $M > A < R = W \leq X$

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