Quiz Date: 19th June 2020

Direction (1-5): Study the following information carefully and answer the given questions:
Seven boxes are placed one above another in seven different columns of an almirah which have eight columns, one column is vacant. Each box is four different colour- White, Green, Blue and Yellow. Not more than two boxes are same colour.

There is one Box between Box C and the Box D which is Green colour. Three boxes are placed between Green colour box and Yellow colour box. There is a vacant space between the boxes which Yellow colour and the one which is Blue colour. Box E is same colour as Box A. Box B is White colour and placed at the bottommost position. There are two boxes placed between White colour box and Yellow colour box. Box B doesn't place anywhere above the Box G. No box is placed just below Box G which is not Blue colour. Box A is placed immediately below the box which is Green colour but, not immediate above Box D. Only box G is Yellow colour. Box F neither Blue nor Green colour. Box D is not above Box F. Box G does not place at top position.

Q1. What is the colour of box E?
(a) White
(b) Yellow
(c) Blue
(d) Green
(e) Can't be determine

Q2. How many boxes are placed above box E?
(a) Two
(b) Three
(c) Six
(d) Five
(e) None of these

Q3. Which of the following is white colour box?
(a) F
(b) G
(c) A
(d) B
(e) Both (a) and (d)

Q4. Which of the following boxes are blue colour?
(a) A-B
(b) E-A
(c) C-D
(d) F-G
(e) None of these

Q5. Which of the following is true about box B?
(a) Box B and G same colour

(b) Only Two Boxes are placed above Box B
(c) Box F and Box B is same colour
(d) Box B is placed at Top
(e) All are true

Directions (6-10): In the following questions, the symbols %, &, #, * and @ are used with the following meaning as illustrated below-
'P#Q' means 'P is neither greater than nor equal to Q'
'P*Q' means 'P is neither equal to nor smaller than Q'
'P%Q' means 'P is neither smaller than nor greater than Q'
'P@Q' means 'P is not smaller than Q'
'P&Q' means 'P is not greater than Q'
Now in each of the following questions assuming the given statement to be true, find which of the conclusions given below them is/are definitely true and give your answer accordingly.

Q6. Statements: M * O @ W # S; O * E % P @ X
Conclusions:
I. M * X
II. S @ P
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true

Q7. Statements: I & K & N % Q * W @ C * P % V
Conclusions:
I. Q * I
II. Q % I
(a) None is true
(b) Both are true
(c) Only II is true
(d) Either I or II is true
(e) Only I is true

Q8. Statements: O @ A # R % S & M; L * M % C & Z
Conclusions:
 I. Z * A
II. S * O
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true

Q9. Statements: V & Q % S % L * H * P # I

Conclusions:
I. V # H
II. I * Q
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true

Q10. Statements: D @ M & Z * K # P; D * L * N % X
Conclusions:
I. X # M
II. Z * X
(a) None is true
(b) Only I is true
(c) Only II is true
(d) Either I or II is true
(e) Both are true

Directions (11-15): Study the following information carefully and answer the given questions.
When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of Input and rearrangement.
Input: news 61 below 77 after round 98 sound element 83 64
Step 1: 61 news below 77 after round 98 sound element 83 64
Step 2: 61 83 news below 77 after round 98 sound element 64
Step 3: 61 83 after news below 77 round 98 sound element 64
Step 4: 61 83 after element news below 77 round 98 sound 64
Step 5: 61 83 after element 77 news below round 98 sound 64
Step 6: 61 83 after element 77 below news round 98 sound 64
Step 7: 61 83 after element 77 below news round sound 98 64
Step 8: 61 83 after element 77 below news round sound 64 98
And step 8 is the last step of the above input. As per the rules followed in the above step, find out the appropriate step for the given output.

INPUT: emit random 23 violence 19 speaker 39 expert 33 award 28

Q11. In step 7, what is the sum of first element from right end and sixth element from the left end?
(a) 51
(b) 67
(c) 61
(d) 72
(e) 62

Q12. What is the position of 'expert' in the step 6?
(a) Seventh from the left
(b) Sixth from the left
(c) Fifth from the left
(d) Sixth from the right
(e) None of these

Q13. Which element is exactly between the fifth from left and fifth from right in step 5?
(a) random
(b) 33
(c) expert
(d) violence
(e) None of these
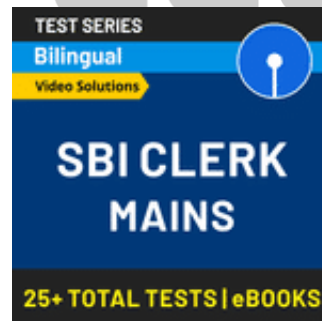
Q14. Which step number would be the following output?
"19 23 award emit expert 33 39 random violence speaker 28"
(a) Step 7
(b) Step 6
(c) Step 5
(d) Step 4
(e) None of the Above

Q15. Which of the following would be at the ninth position from the left end in step 6?
(a) 33
(b) Violence
(c) Expert
(d) 39
(e) 28

Solutions

Solution (1-5):
Sol.

Boxes	colour
C	Green

F	White
D	Green
A	Blue
G	Yellow
-	-
E	Blue
B	White

S1. Ans.(c)
S2. Ans.(d)
S3. Ans.(e)
S4. Ans.(b)
S5. Ans.(c)

Solutions (6-10):
S6. Ans. (b)
Sol. I. M * X (True)   II. S @ P (False)

S7. Ans. (d)
I. Q * I (False)   II. Q % I (False)

S8. Ans. (b)
Sol. I. Z * A (True)   II. S * O (False)

S9. Ans. (a)
Sol. I. V # H (False)   II. I * Q (False)

S10. Ans. (a)
Sol. I. X # M (False)   II. Z * X (False)

Solution (11-15):
This input output arrangement is done with the help of following some points:
(i) Firstly, it arranges all prime number in increasing order
(ii) After arranging all prime number in a sequence, then that word who starts with vowel arranges in ascending order of alphabetical series
(iii)After Vowel starting word, All odd number arranges in increasing order
(iv) After odd numbers, All words which are starting from consonant arranges in alphabetical order
(v)At last, Even number is placed in increasing order

INPUT: emit random 23 violence 19 speaker 39 expert 33 award 28
Step 1: 19 emit random 23 violence speaker 39 expert 33 award 28
Step 2: 19 23 emit random violence speaker 39 expert 33 award 28
Step 3: 19 23 award emit random violence speaker 39 expert 33 28
Step 4: 19 23 award emit expert random violence speaker 39 33 28

Step 5: 19 23 award emit expert 33 random violence speaker 39 28
Step 6: 19 23 award emit expert 33 39 random violence speaker 28
Step 7: 19 23 award emit expert 33 39 random speaker violence 28
S11. Ans. (c)
S12. Ans. (c)
S13. Ans. (b)
S14. Ans. (b)
S15. Ans. (b)

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