

Quiz Date: 24th May 2020

Directions (1-5): Study the information and answer the given questions:

Six boxes are placed in a room in a horizontal arrangement. All boxes are of different weight and contain different items.

Box F is lighter than only two boxes and does not contain laptop. Box D which contain toys is heavier than E but lighter than A. The box which contain books is heavier than the box which contain fruits. E is not the lightest Box. The box which contain clothes is lighter than the box which contain laptop. Box A neither contain fruits nor laptop. Box B is lighter than the box which contain fruits but heavier than the box which contain flower. Box C is not the heaviest box. Box B is lighter than D but heavier than C. The box which contain fruits is lighter than the box which contain toys. Box E neither contain flower nor laptop.

Q1. How many boxes are heavier than B?

- (a) one
- (b) more than three
- (c) three
- (d) two
- (e) None

Q2. Box C contain which of the following Item?

- (a) Clothes
- (b) Flower
- (c) Fruits
- (d) Books
- (e) None of these

Q3. Which of the following box is heavier than E but lighter than D?

- (a) B
- (b) C
- (c) A
- (d) F
- (e) Both (a) and (d)

Q4. Which of the following box contain clothes?

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

Q5. Which of the following statement is true about F?

- (a) B is heavier than F
- (b) A is lighter than F
- (c) F is heavier than only two boxes
- (d) F contain fruits

(e) None is true

Directions (6-10): In each of the following below is given a group of letters followed by four combinations of digits/symbols numbered (a), (b), (c) and (d). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and mark the number of that combination as the answer. If none of the four combinations correctly represents the group of letters, mark (e), i.e. 'None of these', as the answer-

Note: More than one condition may apply.

Letter	R	G	F	A	P	Q	U	M	E	I	B	J	S	O	L
Digit/ Symbol	#	2	7	μ	%	3	&	9	1	@	5	©	6	8	\$

Conditions:

- (i) If first letter is vowel and last letter is consonant then both are coded with the code of the consonant.
- (ii) If both the 2nd and the last letter is vowel, then their codes are to be interchanged.
- (iii) If the second letter is a consonant and the 2nd last letter is a vowel, both are to be coded as the code for the vowel.
- (iv) If both 1st and fifth letter is consonant then both are coded as the code of third letter.
- (v) If only one condition is applied among the above given, then the code of first letter is interchanged with code of second letter and third letter code interchanged with 4th letter and so on after that applied condition.

Q6. URBSAQ

- (a) 3#65#3
- (b) 3μ56μ3
- (c) &56\$33
- (d) &μ65μ&
- (e) None of these

Q7. LIFPRE

- (a) 7177%@
- (b) 771%7@
- (c) 717%@7
- (d) 717%7@
- (e) None of these

Q8. EUMRJA

- (a) μ1#9&©
- (b) 1μ9#©&
- (c) 9#1μ©&
- (d) #9μ1&©

(e) None of these

Q9. MJGLBF

(a) %3%6%7

(b) 36%%7@

(c) 3#6%7@

(d) 3%6%7#

(e) None of these

Q10. LRQBJ5

(a) %53328

(b) #33536

(c) #35363

(d) @3567@

(e) None of these

Directions (11-15): Study the following information carefully to answer the given questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement.

INPUT—4528 6720 5329 4819 8104 1469
STEP I-- 5482 7602 3592 8491 1840 4196
STEP II- 1840 3592 4196 5482 7602 8491
STEP III- 84 59 19 48 60 49
STEP IV- 12 14 10 12 6 13
STEP V- 6 7 5 6 3 6.5

Step V is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.

Input: 2193 8763 7132 5248 3295 6952

Q11. What will the addition of the numbers which is third, fifth and sixth from the left end in step IV?

(a) 24

(b) 23

(c) 27

(d) 20

(e) None of these

Q12. Which of the following would be the difference of the numbers which is 2nd from left end in step I and fourth from right end in Step II?

(a) 6113

(b) 4231

(c) 5477

- (d) 5470
(e) None of these

Q13. Which of the following element will be 3rd to the left of 5th from the left end in step III?

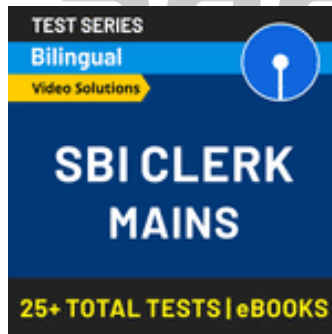
- (a) 35
(b) 72
(c) 23
(d) 58
(e) None of these

Q14. What will be the multiplication of the numbers which is third from left end of Step V and the number which is first from right end of Step IV?

- (a) 56
(b) 32
(c) 36
(d) 48
(e) None of these

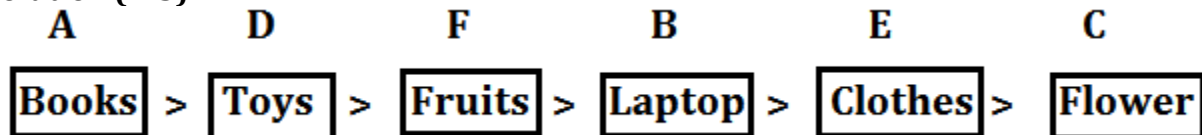
Q15. Which of the following element will be 2nd to the right of 3th from the left end in step II?

- (a) 7836
(b) 4367
(c) 2359
(d) 9625
(e) None of these



Solutions

Solution (1-5):



- S1. Ans.(c)
S2. Ans.(b)
S3. Ans.(e)
S4. Ans.(b)

S5. Ans.(d)

Solution (6-10):

S6. Ans(b)

Sol. Condition (i) and (iii) is applied

S7. Ans(d)

Sol. Condition (ii) and (iv) is applied

S8. Ans(a)

Sol. Condition (ii) and (v) is applied

S9. Ans(e)

Sol. Condition (iv) and (v) is applied

S10. Ans(c)

Sol. Condition (iv) and (v) is applied

Solutions (11-15):

Sol. In the given Input-output the logic applied is—

For Step I: The first and second digit is interchanged also third and forth digits are interchanged of each number within the number.

Step II: all the numbers are arranged in ascending order from left end.

Step III: First and last digits are omitted from each number.

Step IV: Sum of the digits of each number.

Step V: Each number is divided by two.

Input:	2193	8763	7132	5248	3295	6952
STEP I:	1239	7836	1723	2584	2359	9625
STEP II:	1239	1723	2359	2584	7836	9625
STEP III:	23	72	35	58	83	62
STEP IV:	5	9	8	13	11	8
STEP V:	2.5	4.5	4	6.5	5.5	4

S11. Ans. (c)

S12. Ans. (c)

S13. Ans. (b)

S14. Ans. (b)

S15. Ans. (a)



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