

Quiz Date: 15th July 2020

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Direction (1-5): Study the following information to answer the given questions:

Eight boxes are arranged one above another. Each box has different number of books. None of the box has more than 81 books. Four boxes are placed between A and B. Box C has number of books which is square of an odd number. Two boxes placed between F and D which is placed above the box F. Box B has number of books which is 5 times of box G. More than three boxes are placed between A and F which is placed below box A. Box D has just double number of books than box F. The box which has 49 books placed just above box A. Difference between the number of books of G and E is 8. Box A does not have more than 30 books. More than two boxes between B and the box which has 16 books. Box F is three books more than A, which has number of books is a square of an even number. The box which has 15 books less than D is placed just above box C. Box E has odd number of books and placed above box G. More than two boxes are placed between G and H. Box B has 6 books less than box C.

Q1. How many books are contained in box C?

- (a) 54
- (b) 75
- (c) 81
- (d) 65
- (e) None of these

Q2. How many boxes are placed between box F and box H?

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

Q3. Difference between the books box E and F?

- (a) 30
- (b) 4
- (c) 10
- (d) 15
- (e) None of these

Q4. How many books contain in the box which is placed just above box G?

- (a) 49
- (b) 38
- (c) 81
- (d) 23
- (e) None of these

Q5. Box A contained how many books?

- (a) 16

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- (b) 49
- (c) 75
- (d) 81
- (e) None of these

Directions (6-10): Study the following information carefully and answer the questions give below: A word and number arrangement machine when given an input line of words and number rearranges them following particular rule in each step. The following is an illustration of an input and its rearrangement.

Input: Drive 13 64 mega exam 25 61 bank 77

Step I: 61 drive 13 64 mega exam 25 77 bznk

Step II: 13 61 64 mega exam 25 77 bznk drrvv

Step III: 25 13 61 64 mega 77 bznk drrvv vxzm

Step IV: 64 25 13 61 77 bznk drrvv vxzm mvgz

Step V: 77 64 25 13 61 bznk drrvv vxzm mvgz

And Step V is the last step of the above input. As per the rules followed in the above steps, find out the appropriate steps for the above input.

Input: 47 quiz boot 36 camp 89 paper 58 75

Q6. Which of the following element is fourth from the right end in step III?

- (a) quiz
- (b) 36
- (c) 58
- (d) blt
- (e) None of these

Q7. Which of the following element is third to the left of the element which is seventh from the left end in step IV?

- (a) paper
- (b) 89
- (c) blt
- (d) 75
- (e) None of these

Q8. What is the multiplication of the digits of the number which is fourth from the left end in step V?

- (a) 18
- (b) 20
- (c) 35
- (d) 28
- (e) None of these

Q9. What will be the 4th step of the given input?

- (a) 58 75 47 89 36 blt pzpvr czmp qfrz
- (b) 58 75 47 89 36 blt czmp pzpvr qfrz

- (c) 58 75 36 47 89 bllt czmp pzpvr qfrz
(d) 58 75 47 czmp 89 36 bllt pzpvr qfrz
(e) None of these

Q10. What is the difference between the number which is second from the left end in step II and the number which is fifth from the left end in step IV?

- (a) 31
(b) 53
(c) 45
(d) 28
(e) None of these

Q11. Which alphabet is 3rd from the left in the meaningful four-letter word formed from the first, second, seventh and eighth letter of the word **OPPORTUNITY**? If more than one word is formed, then mark answer as X and no meaningful word is formed then mark answer as Z.

- (a) P
(b) X
(c) O
(d) U
(e) N

Q12. If in the number 527184639, 2 is multiply by second, fourth, sixth and eighth digit and 1 is subtracted from the first, third, fifth and seventh and ninth digits, then how many digits are repeated in the new number thus formed?

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

Directions (13-15): In each of the questions given below some statements are followed by some conclusions. You have to take 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 from the given statements disregarding commonly known facts.

Q13. Statements:

Only a few black is red
Only purple are yellow
No purple are black

Conclusion:

- I. Some yellow is red is a possibility
II. All black is red is a possibility
III. Some red is not purple
(a) Only I is true

- (b) Only II is true
- (c) Both I and III is true
- (d) Only III is true
- (e) All is true

Q14. Statements:

All boundary is line

Only a few boundary is triangle.

Only triangle are circle

Conclusion:

I. Some line are circle

II. All line is triangle is a possibility

III. All triangle is boundary is a possibility

- (a) Only II is true
- (b) Both II and III is true
- (c) Only I is true
- (d) None follows
- (e) Either II and III is true

Q15. Statements:

Only a few current is latest

Only a few latest is new

some latest is recent

Conclusion:

I. All latest is new is a possibility

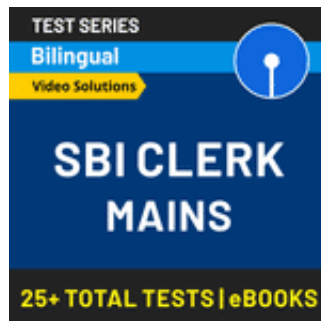
II. No current is recent

III. some recent are current

- (a) Only II is true
- (b) Only III is true
- (c) Either II or III
- (d) Both I and III is true
- (e) Only I is true

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Solutions

Solutions (1-5):**Sol.**

Box	Books
H	49
A	16
E	23
C	81
D	38
G	15
B	75
F	19

S1. Ans.(c)

S2. Ans.(d)

S3. Ans.(b)

S4. Ans.(b)

S5. Ans.(a)

Solutions (6-10):

Sol. According to the given input, one word and one number are arranged in each step.

For words- words are arranged in alphabetical order from right end, but in vowels in each word replace its opposite letter in the alphabetical series.**For numbers-** First prime number is arranged in descending order than non-prime numbers are arranged in descending order from left end.**Input: 47 quiz boot 36 camp 89 paper 58 75**

Step I: 89 47 quiz 36 camp paper 58 75 bltt

Step II: 47 89 quiz 36 paper 58 75 bltt czmp

Step III: 75 47 89 quiz 36 58 bltt czmp pzpvr

Step IV: 58 75 47 89 36 bltt czmp pzpvr qfrz

Step V: 36 58 75 47 89 bltt czmp pzpvr qfrz

S6. Ans.(c)

S7. Ans.(b)

S8. Ans.(d)

S9. Ans.(b)

S10. Ans.(b)

S11. Ans.(c)

Sol. UPON

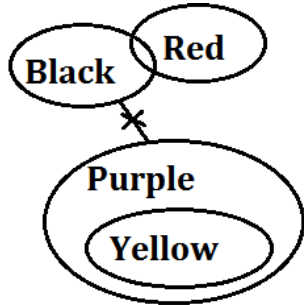
S12. Ans.(b)

Sol. Original Number- 527184639

Obtained Number- **446278568**

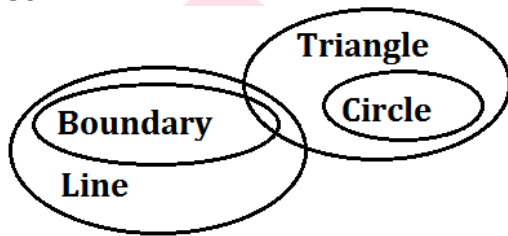
S13. Ans.(d)

Sol.



S14. Ans.(d)

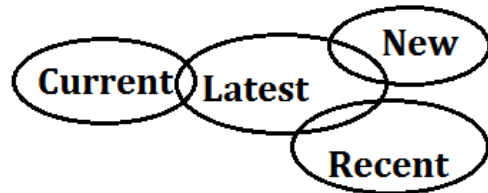
Sol.



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S15. Ans.(c)

Sol.



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