Quiz Date: 26th April 2020

Directions (1-5): Study the information given below and answer the given questions.
Nine persons viz. P, Q, R, S, T, U, V, W, and X are living in the same building which has nine floors. The ground floor is numbered 1, the floor above it is numbered 2, and so on, and the topmost floor is numbered 9. No two persons are living on the same floor. Each of them were born in different months of the same year starting from January to September, but not necessarily in the same order. S was born in February and lives on an even-numbered floor. V lives on an even-numbered floor.

There are three floors between the floors on which T and Q lives. X stays on a floor immediately above R's floor. There is one floor between the floors on which U and Q lives. U was born in the month which has 31 days. The second youngest person lives on fourth floor. W, who was born in July, lives on second floor. The one who lives on third floor was born in May. V is not the third oldest person. There are two floors gap between the floors on which the persons who were born in June and February lives. More than seven persons are older than T. The oldest person lives on the topmost floor. U does not live on first floor. S who is older than V, lives on one of the floors above V. T lives on the bottommost floor. X does not live on an odd numbered floor.

Q1. How many persons living on the floors above W are older than R?
(a) One
(b) Two
(c) Three
(d) Four
(e) More than four

Q2. Who amongst the following lives on the topmost floor?
(a) U
(b) Q
(c) X
(d) T
(e) None of these

Q3. Who among the following is/are younger than W?
(a) X
(b) T
(c) Both X and T
(d) R
(e) None of these

Q4. How many persons are living below the second oldest person are younger than X?
(a) One
(b) Two
(c) Three
(d) Four
(e) More than four

Q5. How many persons were born between the months in which the persons who lives on the seventh and fourth floor were born?
(a) One
(b) Two
(c) Three
(d) Four
(e) More than four

Directions (6-9): In each of the questions given below, a group of digits is given followed by some combinations of letters. You have to find out which of given combinations correctly represents the group of digits based on the numbers/symbols codes and the conditions given below. If none of the given combinations represents the group of digits correctly, give (e) i.e. 'None of these' as the answer.

Letter	M	K	H	R	B	N	E	T	D	J	I	A	Q	F	P
Digit/symbol	8	1	©	2	#	£	7	9	@	6	%	3	4	$	✿

Conditions:
(1) If the first and the last letters are consonants, both are to be coded as the code for the first letter.
(2) If the first letter is a consonant and the last letter is as vowel their codes are to be interchanged.
(3) If both the first and the last letters are vowels, both are to be coded as the last letter.

Q6. TABDRE
(a) 93#2@7
(b) 73#@29
(c) 93#@27
(d) 73#@27
(e) None of these

Q7. QHFKAN
(a) 4©$134
(b) 4@$138
(c) £©$134
(d) 4©1$34
(e) None of these

Q8. IAJEPI
(a) ✿% 367$
(b) %367%✿
(c) %367✿%
(d) 6%367✿
(e) None of these

Q9. NRJTBP
(a) £26#9@
(b) £%269£
(c) £962#©
(d) £269#£
(e) None of these

Directions (10): The question given below consists of a statement followed by two arguments I and II.
Give answer
(a) if only argument I is strong
(b) if only argument II is strong
(c) if either I or II is strong
(d) if neither I nor II is strong
(e) if both I and II are strong.

Q10. Statement: Should all the infrastructural development projects in India be handed over to the private sector?
Arguments: I. No. The private sector entities are not equipped to handle such projects.
                   II. Yes. Such projects are handled by private sector in the developed countries.

Directions (11-15): Study the following information carefully to answer the given questions:
A number arrangement machine when given an input line of numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement.

INPUT—1439   4235   2318   8924   5489   5347
STEP I- 1349   2345   1238   2489   4589   3457
STEP II- 1238   1349   2345   2489   3457   4589
STEP III- 23   34   34   48   45   58
STEP IV- 5   7   7   12   9   13

Step IV 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: 4239   2358   2315   9247   4689   3587

Q11. Which of the following is true regarding the position of 2358 in step II?
(a) 4th from the right end
(b) 2nd from the left end
(c) 6th from the left end
(d) 5th from the right end
(e) None of these

Q12. What will the addition of the numbers which is third from the right end in step II and 4th from the left end in step III?
(a) 2432
(b) 2463

(c) 2526
(d) 1235
(e) None of these

Q13. Which of the following would be the difference of the numbers which is 2nd from right end in step IV and third from left end in Step III?
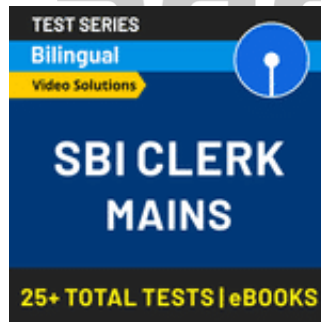(a) 32
(b) 23
(c) 37
(d) 40
(e) None of these

Q14. Which of the following element will be 2nd to the left of 4th from the right end in step III?
(a) 34
(b) 57
(c) 23
(d) 68
(e) None of these

Q15. Which of the following element will be 2nd to the left of 4th from the left end in step II?
(a) 2358
(b) 3578
(c) 2349
(d) 4689
(e) None of these

Solutions

Solutions (1-5):
Sol.

Person	Floor	Month
P	9	January
S	8	February
U	7	March
V	6	April
Q	5	June
X	4	August
R	3	May
W	2	July
T	1	September

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

Solution (6-9):
S6. Ans.(b) Condition 2 applies.
S7. Ans.(a) Condition 1 applies.
S8. Ans.(c) Condition 3 applies.
S9. Ans.(d) Condition 1 applies.

S10. Ans.(d)
Sol. Clearly, such projects if handed over to the private sector shall be given to a competent authority. So, argument I is vague. Also, imitating a policy on the basis that it worked out successfully in other countries, holds no relevance. Thus, argument II also does not hold strong.

Solutions (11-15):
Sol.
In the given Input-Output question the logic is—
For step I- All the digits of the given numbers are arranged in ascending order within the numbers.
For Step II- All the numbers obtained in step I are arranged in ascending order from the left end.
For Step III- First and last digits of the numbers are omitted.
For step IV- The digits of the numbers obtained in step III are added.

INPUT—	4239	2358	2315	9247	4689	3587
STEP I-	2349	2358	1235	2479	4689	3578
STEP II-	1235	2349	2358	2479	3578	4689
STEP III-	23	34	35	47	57	68
STEP IV-	5	7	8	11	12	14

S11. Ans. (a)

S12. Ans. (c)
S13. Ans. (b)
S14. Ans. (c)
S15. Ans. (c)

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