Quiz Date: 7th April 2020

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

Seven persons A, B, C, D, E, F, and G are going for a vacation on seven different days of the same week starting from Sunday. Each of them has different car i.e. swift, Baleno, S-Cross, Breeza, Punto, Figo, Ritz. Also, they like seven different colors i.e. blue, green, purple, orange, red, yellow and white.
The one who have Figo likes orange color. The one who have Punto go for a vacation after the one who have Baleno and before the one who have S-Cross. The one who likes blue color goes for vacation immediately before the one who have Ritz. More than 4 persons go on vacation After D who likes Red color. Two persons go for vacation between D and F who have Ritz. Only one person goes for vacation between F and C who likes yellow color. B goes for a vacation before C and have swift and likes green color. Two persons go on vacation between $B$ and $G$ who like blue color. E goes for a vacation before $A$. The one who goes for vacation on Saturday have Breeza and likes purple color.

Q1. Who among the following have Baleno car?
(a) A
(b) B
(c) C
(d) D
(e) None of these

Q2. Who among the following goes for vacation on Monday?
(a) D
(b) A
(c) C
(d) B
(e) None of these



Q3. Who among the following likes white?
(a) D
(b) F
(c) C
(d) B
(e) None of these

Q4. Who among the following goes for vacation immediate after the $G$ ?
(a) D
(b) A
(c) F
(d) B
(e) None of these

Q5. How many persons go for a vacation after E ?
(a) 4
(b) 3
(c) 2
(d) none
(e) none of these


Directions (6-10): Study the following information carefully and answer the given questions.
In number arrangement machine when given an input line of numbers, it rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.
Input: 75165629483164972657
Step I: 92755648316497265717
Step II: 13927556486497571727
Step III: 75139275566497172749
Step IV: 57751392649717274957
Step V: 79577513921727495765
And step $V$ is the last step of the arrangement.
As per the above rule followed in the above steps, find out in each of the following questions the appropriate step for the input given below;
Input: 86125322451932297493
Q6. Which of the following is the last step of above input?
(a) III
(b) VI
(c) IV
(d) V
(e) None of these

Q7. Which is the following step?
Step: 54929186537493132333
(a) VI
(b) III
(c) IV
(d) V
(e) There is no such step

Q8. What is $4^{\text {th }}$ element from right end in Step IV?
(a) 13
(b) 91
(c) 86
(d) 93
(e) 54

Q9. Which of the following elements lies exactly between 91 and 32 in step II?
(a) 13
(b) 86
(c) 53
(d) 23
(e) 74

Q10. Which of the following is the fifth step for input?
(a) 39355433758792911323
(b) 39353375875492911323
(c) $39911323 \quad 33 \quad 355492 \quad 7587$
(d) 39352333549291137587
(e) 39355492911323337587

Directions (11-12): Study the following information carefully and answer the questions given below.
There are eight member- A, B, C, D, E, F, G and H in a family with three generation. There are three married couples in this family. D is mother of G. H is niece of C. A is father of E. B has only two married sons. $G$ is grandson of $B$. $F$ is sister-in-law of $C$ who is father of $G$.

Q11. Who among the following is mother of H ?
(a) F
(b) C
(c) B
(d) C
(e) G

Q12. Who among the following is nephew of E ?
(a) D
(b) F
(c) G
(d) H
(e) C

Directions (13-15): Each of these questions is based on the following information:
(i) $\mathrm{M} \% \mathrm{~N}$ means M is the daughter of N .
(ii) M @ N means M is the sister of N .
(iii) $\mathrm{M} \$ \mathrm{~N}$ means M is the father of N .
(iv) $M^{*} N$ means $M$ is the son of $N$.

Q13. Which of the following shows the relation that F is the grandmother of E ?
(a) C \% B \$ F * E@G
(b) B * F \$ E @ C@A
(c) E @B \%C * F@A
(d) E @ B \$ F @ C*G
(e) None of these

Q14. If the expression P@Y*G\%K\$F is definitely true, then which of the following is not true?
(a) K is grandfather of Y
(b) P is daughter of G
(c) $Y$ is son of $G$
(d) K is brother of F
(e) None of these

Q15. If the expression $Q^{*} \mathrm{R} @ \mathrm{Z} \% \mathrm{~B} \$ \mathrm{~K}$ is definitely true, then which of the following is true?
(a) K is son of Z
(b) Q is nephew of Z
(c) $B$ is grandmother of $Q$
(d) Z is brother of Q
(e) None of these


Solutions

## Solutions(1-5):

Sol.

| Day | Person | Car | Colour |
| :--- | :--- | :--- | :--- |
| Sunday | B | Swift | Green |
| Monday | D | Baleno | Red |
| Tuesday | C | Punto | Yellow |
| Wednesday | G | S-Cross | Blue |
| Thursday | F | Ritz | White |
| Friday | E | Figo | Orange |
| Saturday | A | Breeza | Purple |

S1. Ans (d)
S2. Ans (a)
S3. Ans (b)
S4. Ans (c)

## S5. Ans (e)

## Solution (6-10):

In this input output question two numbers are arranged in each step following a certain pattern. Let us understand the logic behind it-

* Even numbers are arranged at the right end, from left to right in ascending order after adding one in each number.
* Odd numbers are arranged at the left end, from right to left in ascending order after the digits are interchanged within the number.
Input: 86125322451932297493
Step I: 91865322453229749313
Step II: 92918653453274931323
Step III: 54929186537493132333
Step IV: 35549291869313233375
Step V: 39355492911323337587
S6. Ans.(d)
S7. Ans.(b)
S8. Ans.(a)
S9. Ans.(c)
S10. Ans.(e)


## Solution (11-13):



S11. Ans.(a)
S12. Ans.(c)
Solution (13-15):
S13. Ans.(c)
Sol.


S14. Ans.(d)

Sol.


S15. Ans.(b)
Sol.


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