Paper-Maker Paper Maker 10

Directions (1-5): **Read the given information carefully and answer the given questions.**
There are seven members in a family i.e. A, B, C, D, E, F, and G each having different salaries. <mark>Only three males and three generations are there in the family. There are two married couples in this family</mark>. B who is 20yr old earns more than D and A but less than F. E earns lowest in the family. G has two daughters. D is grandfather of A. B is daughter of F. The grandfather's earning is not the highest, but he is the oldest person in the family. C is son in law of D. Grandfather is 60yr old. Only 1yr difference between the age of grandchildren. Grandmother earns more than only one person. Son-in-law of the family earns the highest among them. D has no son. E is unmarried in the family. There is only 1yr difference between the ages of grandparents. E is 4yr younger to her sister. C is 40yr old and 3yr younger to his wife. B is not the youngest in the family. Grandfather earns more than A.

Q1. Who among the following is the youngest person in the family?
(a) B
(b) F
(c) A
(d) C
(e) None of these
L1Difficulty 2
QTags Puzzle

Q2. Who among the following gets second lowest salary?
(a) G
(b) E
(c) D
(d) F
(e) None of these
L1Difficulty 2
QTags Puzzle

Q3. If A's salary is 22k, then what will be the possible salary E can get?
(a) 23k
(b) 19k
(c) 25k
(d) 24k
(e) None of these
L1Difficulty 2
QTags Puzzle

Q4. Who among the following is second oldest person in the family?
(a) A

(b) G
(c) F
(d) B
(e) None of these
L1Difficulty 2
QTags Puzzle

Q5. What will be the age of E?
(a) 39yrs
(b) 26yrs
(c) 27yrs
(d) 22yrs
(e) None of these
L1Difficulty 2
QTags Puzzle

Q6. Which alphabet is 3rd from the left in the meaningful three letter word formed from the first, second and seventh letter of the word PRODUCT? If more than one word is formed, then mark answer as X and no meaningful word is formed then mark answer as Z.
(a) T
(b) X
(c) P
(d) Z
(e) R
L1Difficulty 1
QTags Reasoning

Q7. Which of the following symbols should replace the question mark (?) in the given expression in order to make the expressions P > B as well as T ≤ C definitely true?
P > C ? B ≥ N = T
(a) ≤
(b) >
(c) <
(d) ≥
(e) Either ≤ or <
L1Difficulty 1
QTags Reasoning

Directions (8-9): **Study the following information carefully and answer the questions given below:**
Five family members V, W, X, Y and Z are sitting in a straight line facing north. Each of them somehow has a relation with V, who sits third to the right of his daughter. There are only two females in the family. X is an immediate neighbor of his mother. Y sits third to the right of Z, who sits at one end of the line. V sits with his wife. X is brother of W, who is niece of Z. Y doesn't have any sibling.

Q8. How is Z related to V?
(a) Father
(b) Mother
(c) Brother
(d) Can't be determined
(e) None of these
L1Difficulty 1
QTags Reasoning

Q9. How is Y related to W?
(a) Mother
(b) Father
(c) Brother
(d) Can't be determined
(e) None of these
L1Difficulty 1
QTags Reasoning

Q10. How many such pairs of letters are there in the word 'NOMINATION' each of which has as many letters between them in the word as in the English alphabet?
(a) One
(b) four
(c) Two
(d) Three
(e) More than four

L1Difficulty 1
QTags Reasoning

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. (All the numbers are two-digit numbers.)

**Input: abate 49 36 super 73 illegal bite 18 laundry 47 upper 54**
Step I. upper abate 49 36 super 73 illegal bite laundry 47 54 18
Step II. Illegal upper abate 49 super 73 bite laundry 47 54 18 36
Step III. Abate illegal upper 49 super 73 bite laundry 47 18 36 54
Step IV. 47 abate illegal upper 49 73 bite laundry 18 36 54 super
Step V. 49 47 abate illegal upper 73 bite 18 36 54 super laundry
Step VI. 73 49 47 abate illegal upper 18 36 54 super laundry bite

And Step VI is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.

**Input: 33 knife age 64 nice 61 58 optimum victory 96 eager 15**

Q11. Which element(s) come exactly between '15' and '64' in Step II of the given input?
(a) 33
(b)  age
(c) knife
(d)  58
(e)  none of these
L1Difficulty 2
QTags Reasoning

Q12. Which of the following element is 3rd from the left end in step II?
(a) 64
(b)  age
(c) knife
(d)  33
(e)  none of these
L1Difficulty 2
QTags Reasoning

Q13. Which of the following step is the penultimate step?
(a) Six
(b) Seven
(c) Eight
(d) Nine
(e) None of these
L1Difficulty 2
QTags Reasoning

Q14. In which step are the elements ' optimum knife 61 58' found in the same order?
(a) Sixth
(b) Third
(c)  Fourth
(d)  The given order of elements is not found in any step
(e)  Fifth
L1Difficulty 2
QTags Reasoning

Q15. How many steps will be required to complete the rearrangement?
(a) Six
(b) Seven
(c) Eight
(d) Nine
(e) None of these
L1Difficulty 2
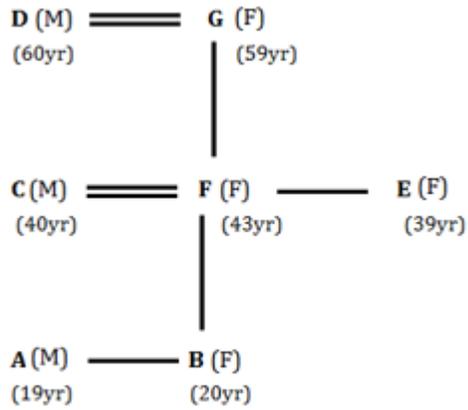
QTags Reasoning

**Solutions**

S1. Ans(c)

D (M) ═══ G (F)
(60yr)        (59yr)

C (M) ═══ F (F) ──── E (F)
(40yr)        (43yr)        (39yr)

A (M) ──── B (F)
(19yr)        (20yr)

Sol. **C > F > B > D > A > G > E  According to Salary**

S2. Ans(a)

D (M) ═══ G (F)
(60yr)        (59yr)

C (M) ═══ F (F) ──── E (F)
(40yr)        (43yr)        (39yr)

A (M) ──── B (F)
(19yr)        (20yr)

Sol. **C > F > B > D > A > G > E  According to Salary**

S3. Ans(b)

D (M) ═══ G (F)
(60yr)     (59yr)

C (M) ═══ F (F) ──── E (F)
(40yr)     (43yr)     (39yr)

A (M) ──── B (F)
(19yr)     (20yr)

Sol. **C > F > B > D > A > G > E According to Salary**

## S4. Ans(b)

D (M) ═══ G (F)
(60yr)     (59yr)

C (M) ═══ F (F) ──── E (F)
(40yr)     (43yr)     (39yr)

A (M) ──── B (F)
(19yr)     (20yr)

Sol. **C > F > B > D > A > G > E According to Salary**

## S5. Ans(a)

D (M) ═══ G (F)
(60yr)     (59yr)

C (M) ═══ F (F) ──── E (F)
(40yr)     (43yr)     (39yr)

A (M) ──── B (F)
(19yr)     (20yr)
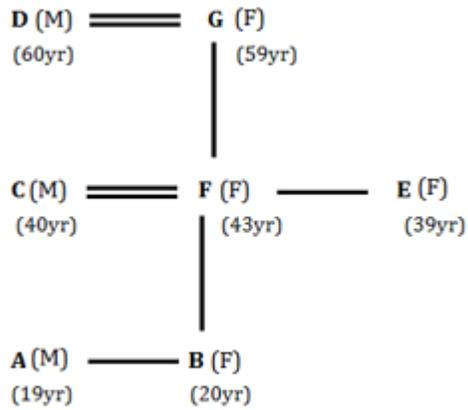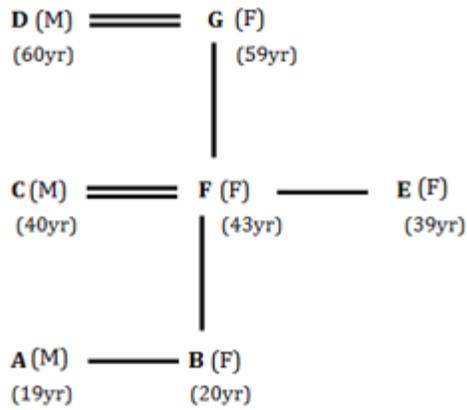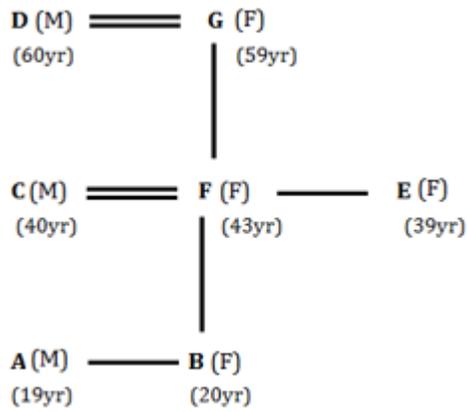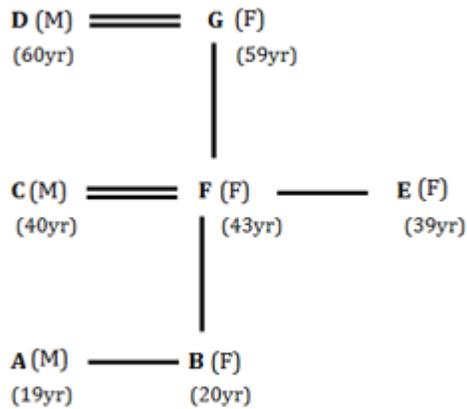
Sol. **C > F > B > D > A > G > E According to Salary**

S6. Ans(d)

S7. Ans.(d)

S8. Ans.(c)
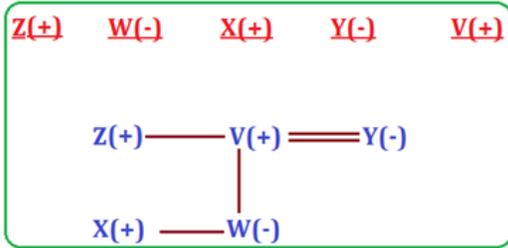
Sol.


S9. Ans.(a)
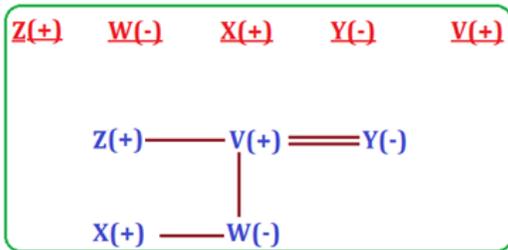
Sol.


S10. Ans.(e)

Sol.



S11. Ans.(d)
Sol. The machine rearranges a word and a number in each step. First, words starting with vowels are arranged in reverse alphabetical order on the left end and the even numbers are arranged in ascending order on the right end. After this process is completed, the odd numbers are arranged on the left end in ascending order and the words starting with consonants are arranged in reverse alphabetical order on the right end.

**Input: 33 knife age 64 nice 61 58 optimum victory 96 eager 15**
Step I: optimum 33 knife age 64 nice 61 victory 96 eager 15 58
Step II: eager optimum 33 knife age nice 61 victory 96 15 58 64
Step III: age eager optimum 33 knife nice 61 victory 15 58 64 96
Step IV: 15 age eager optimum 33 knife nice 61 58 64 96 victory

Step V: 33 15 age eager optimum knife 61 58 64 96 victory nice
Step VI: 61 33 15 age eager optimum 58 64 96 victory nice knife

S12. Ans.(d)
Sol. The machine rearranges a word and a number in each step. First, words starting with vowels are arranged in reverse alphabetical order on the left end and the even numbers are arranged in ascending order on the right end. After this process is completed, the odd numbers are arranged on the left end in ascending order and the words starting with consonants are arranged in reverse alphabetical order on the right end.

**Input: 33 knife age 64 nice 61 58 optimum victory 96 eager 15**
Step I: optimum 33 knife age 64 nice 61 victory 96 eager 15 58
Step II: eager optimum 33 knife age nice 61 victory 96 15 58 64
Step III: age eager optimum 33 knife nice 61 victory 15 58 64 96
Step IV: 15 age eager optimum 33 knife nice 61 58 64 96 victory
Step V: 33 15 age eager optimum knife 61 58 64 96 victory nice
Step VI: 61 33 15 age eager optimum 58 64 96 victory nice knife

S13. Ans.(e)
Sol. The machine rearranges a word and a number in each step. First, words starting with vowels are arranged in reverse alphabetical order on the left end and the even numbers are arranged in ascending order on the right end. After this process is completed, the odd numbers are arranged on the left end in ascending order and the words starting with consonants are arranged in reverse alphabetical order on the right end.

**Input: 33 knife age 64 nice 61 58 optimum victory 96 eager 15**
Step I: optimum 33 knife age 64 nice 61 victory 96 eager 15 58
Step II: eager optimum 33 knife age nice 61 victory 96 15 58 64
Step III: age eager optimum 33 knife nice 61 victory 15 58 64 96
Step IV: 15 age eager optimum 33 knife nice 61 58 64 96 victory
Step V: 33 15 age eager optimum knife 61 58 64 96 victory nice
Step VI: 61 33 15 age eager optimum 58 64 96 victory nice knife

S14. Ans.(e)
Sol. The machine rearranges a word and a number in each step. First, words starting with vowels are arranged in reverse alphabetical order on the left end and the even numbers are arranged in ascending order on the right end. After this process is completed, the odd numbers are arranged on the left end in ascending order and the words starting with consonants are arranged in reverse alphabetical order on the right end.

**Input: 33 knife age 64 nice 61 58 optimum victory 96 eager 15**
Step I: optimum 33 knife age 64 nice 61 victory 96 eager 15 58
Step II: eager optimum 33 knife age nice 61 victory 96 15 58 64
Step III: age eager optimum 33 knife nice 61 victory 15 58 64 96
Step IV: 15 age eager optimum 33 knife nice 61 58 64 96 victory
Step V: 33 15 age eager optimum knife 61 58 64 96 victory nice

Step VI: 61 33 15 age eager optimum 58 64 96 victory nice knife

S15. Ans.(a)
Sol. The machine rearranges a word and a number in each step. First, words starting with vowels are arranged in reverse alphabetical order on the left end and the even numbers are arranged in ascending order on the right end. After this process is completed, the odd numbers are arranged on the left end in ascending order and the words starting with consonants are arranged in reverse alphabetical order on the right end.

**Input: 33 knife age 64 nice 61 58 optimum victory 96 eager 15**
Step I: optimum 33 knife age 64 nice 61 victory 96 eager 15 58
Step II: eager optimum 33 knife age nice 61 victory 96 15 58 64
Step III: age eager optimum 33 knife nice 61 victory 15 58 64 96
Step IV: 15 age eager optimum 33 knife nice 61 58 64 96 victory
Step V: 33 15 age eager optimum knife 61 58 64 96 victory nice
Step VI: 61 33 15 age eager optimum 58 64 96 victory nice knife