

Quiz Date: 15<sup>th</sup> April 2020

Directions (1-5): **Study the following information carefully and answer the questions given below:**

Seven friends A, B, C, D, E, F and G have their exam in different months viz. from January to July of seven different subjects viz. Civics, Computer, History, Math, Hindi, Science, English. They all studied in different schools viz. K, L, M, N, O, P and Q.

A has his exam in a month which has 30 days and studied in school P. The exam of science held in a month which has least number of days. One person have exam in between the one who studied in school P and one who studied in school O. D has exam immediately before F who has his exam in a month which has 30 days. Three persons have exam between D and the one who has exam of English. F does not have exam in April. C has exam of Math but studied neither in school K nor M. G studied in School Q and has exam after C. Two exams are held between the exam of Science and Computer. The one who has exam of History has exam in a month which has 30 days and studied in school N. The exam of Civics held in a month which has 31 days. The one who studied in School K does not have exam in May. E does not have exam of science.

Q1. Who among the following gives exam in February?

- (a) E
- (b) B
- (c) D
- (d) A
- (e) F

Q2. D studied in which of the following school?

- (a) K
- (b) L
- (c) M
- (d) N
- (e) O

Q3. Who among the following gives exam of History?

- (a) E
- (b) B
- (c) D
- (d) A
- (e) F

Q4. Who among the following gives exam of English?

- (a) E
- (b) B
- (c) D
- (d) A
- (e) F

Q5. Which of the following combination is true?

- (a) E- March- Math
- (b) B-June-Science
- (c) D-July-Civics
- (d) A-April-Hindi
- (e) F-February-History

Directions (6-8): **Study the information carefully and answer the questions given below.**

There are eight members in a family consisting of three generation and equal number of males and females. D does not belong to the youngest generation. F is father-in-law of J's daughter. J is married to the daughter of N. M is maternal grandfather of B, who is son-in-law of C. A is the daughter of C.

Q6. How is B related to C?

- (a) son
- (b) daughter
- (c) son-in-law
- (d) mother
- (e) none of these

Q7. How is N related to A?

- (a) father
- (b) mother
- (c) grandfather
- (d) grandmother
- (e) aunt

Q8. How many members are in the youngest generation?

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

Directions (9-10): **Answer the questions based on the information given below:**

- I. 'P × Q' means 'P is father of Q'
- II. 'P – Q' means 'P is sister of Q'
- III. 'P + Q' means 'P is mother of Q'
- IV. 'P ÷ Q' means 'P is the brother of Q'

Q9. In the expression  $Y + W \times N \div M$ , how N related to Y?

- (a) Granddaughter
- (b) Son
- (c) Grandson
- (d) Granddaughter or Grandson

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(e) None of these

Q10. Which of the following represents 'Q' is son of 'U'?

(a)  $Q \div I - G \times U$

(b)  $Q + I - G \times U$

(c)  $Q \div O - L \times U$

(d)  $Q + I \times G \div U$

(e) None of these

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.

**Input:** key 17 camel 27 apple parrot 70 vicky ear 31 24

Step 1: 17 key camel 27 apple parrot 70 vicky ear 31 24

Step 2: 17 31 key camel 27 apple parrot 70 vicky ear 24

Step 3: 17 31 apple key camel 27 parrot 70 vicky ear 24

Step 4: 17 31 apple ear key camel 27 parrot 70 vicky 24

Step 5: 17 31 apple ear 27 key camel parrot 70 vicky 24

Step 6: 17 31 apple ear 27 camel key parrot 70 vicky 24

Step 7: 17 31 apple ear 27 camel key parrot vicky 70 24

Step 8: 17 31 apple ear 27 camel key parrot vicky 24 70

And step 8 is the last step of the above input. As per the rules followed in the above step, find out the appropriate step for the given output.

**INPUT:** excite don 89 queen 71 fan 15 owl 9 angst 32

Q11. Which step is penultimate step of above input?

(a) Step 7

(b) Step 6

(c) Step 5

(d) Step 8

(e) None of the Above

Q12. What is the addition of 1<sup>st</sup> element from left end and 2<sup>nd</sup> element from right end in step 5?

(a) 81

(b) 77

(c) 89

(d) 78

(e) 86

Q13. Which step would be the following output?

"71 89 angst excite don queen fan 15 owl 9 32"

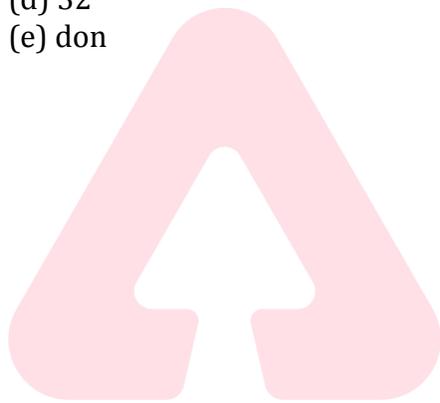
- (a) Step 3
- (b) Step 8
- (c) Step 7
- (d) Step 1
- (e) None of the Above

Q14. Which element is at 5<sup>th</sup> position from right end in step 4?

- (a) don
- (b) owl
- (c) 15
- (d) Queen
- (e) 89

Q15. Which element is at 7<sup>th</sup> position from left end in step 7?

- (a) excite
- (b) 15
- (c) owl
- (d) 32
- (e) don



### Solutions

**Solutions (1-5):**

**Sol.**

	Months	Persons	Subjects	Schools
31	January	E	English	K
28	February	B	Science	O
31	March	C	Math	L
30	April	A	Hindi	P
31	May	D	Computer	M
30	June	F	History	N
31	July	G	Civics	Q

S1. Ans.(b)

S2. Ans.(c)

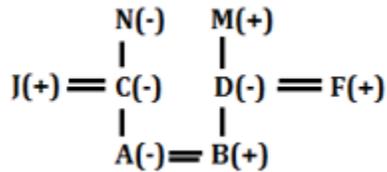
S3. Ans.(e)

S4. Ans.(a)

S5. Ans.(d)

**Solutions (6-8):**

Sol.



S6. Ans(c)

S7. Ans(d)

S8. Ans(a)

**Solutions (9-10)**

S9. Ans.(c)

S10. Ans.(e)

**Solutions (11-15)**

**Sol.** This input output arrangement is done with the help of following some points:

- (i) Firstly, it arranges all prime number in increasing order
- (ii) After arranging all prime number in a sequence, then that word who starts with vowel arranges in ascending order of alphabetical series
- (iii) After Vowel starting word, All odd number arranges in increasing order
- (iv) After odd number, All consonant starting word arranges in alphabetical order
- (v) At last, Even number is placed in increasing order

**INPUT: excite don 89 queen 71 fan 15 owl 9 angst 32**

Step 1: 71 excite don 89 queen fan 15 owl 9 angst 32

Step 2: 71 89 excite don queen fan 15 owl 9 angst 32

Step 3: 71 89 angst excite don queen fan 15 owl 9 32

Step 4: 71 89 angst excite owl don queen fan 15 9 32

Step 5: 71 89 angst excite owl 9 don queen fan 15 32

Step 6: 71 89 angst excite owl 9 15 don queen fan 32

Step 7: 71 89 angst excite owl 9 15 don fan queen 32

S11. Ans.(b)

S12. Ans.(e)

S13. Ans.(a)

S14. Ans.(d)

S15. Ans.(b)



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