

Quiz Date: 3rd April 2020

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

There are seven persons G, H, I, J, K, L and M who were born on the same day of the same month of different year i.e. 1974, 1936, 1957, 1962, 1972, 1979 and 1982 but not necessarily in the same order. Each of them lives on different floors of the same building having eight floors (the ground floor is numbered as the first floor while the topmost floor is numbered as the eighth floor). One of the floors is vacant.

Note: Their age is considered as on the same month and day of 2017 as their date of births.

M is younger than H. I neither lives on Fifth floor nor on Eighth floor. Difference between the ages of I and J, who lives Fifth floor is two years. Age of the person who lives on the topmost floor is greatest amongst those whose age is a multiple of five. L either lives on sixth floor or on seventh floor. K is older than the person who lives on Third floor, who is not the youngest. K lives above the floor on which L lives. The difference between the ages of H, who lives on First floor and I is one more than the square root of the age of one of the persons. The one who was born in 1972 does not lives on Third floor. Age of K is not an even number. M is not the youngest. J lives above M and there is only one floor between J and M. There are only five floors between G and I.

Q1. How many persons are older than the person who lives on Seventh floor?

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

Q2. How many persons are younger than the person who lives on the fifth floor?

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

Q3. Who among the following person is the second youngest?

- (a) The one who lives on Fifth floor
- (b) The one who lives on Seventh floor
- (c) The one who lives on Sixth floor
- (d) The one who lives on Eighth floor
- (e) The one who lives on Third floor

Q4. Who amongst the following person is the second oldest?

- (a) G
- (b) M
- (c) L

- (d) K
- (e) None of these

Q5. Who among the following lives on the topmost floor?

- (a) G
- (b) H
- (c) K
- (d) L
- (e) None of these



Directions (6-10): **Study the following information carefully and answer the given questions:**

In a certain code language,

“Rolling relax stones system” is coded as “G24 F5 F20 E6”

“Fires brain neurons high” is coded as “G41 D9 E10 E14”

“Rolling improve life purposeless” is coded as “G24 G29 K46 D14”

Q6. Which of the following is the code of ‘train’?

- (a) E10
- (b) E30
- (c) H19
- (d) H45
- (e) Either (c) or (d)

Q7. The code ‘D21 G33’ represents

- (a) Pulp Fiction
- (b) Skull Island
- (c) The Simpsons
- (d) Just Reveal
- (e) None of these

Q8. Which of the following may represent ‘suffer well’?

- (a) Z6 D5
- (b) D3 Z5
- (c) A5 H3
- (d) Z3 D5
- (e) None of these

Q9. Which of the following is the code of 'fallout'?

- (a) G30
- (b) G20
- (c) G37
- (d) H19
- (e) None of these

Q10. Which of the following is code for 'rebellion'?

- (a) J44
- (b) E26
- (c) I40
- (d) I34
- (e) None of these

Directions (11-12): In each question below is given a statement followed by two courses of action numbered I and II. You have to assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the suggested courses of action logically follow(s) for pursuing.

Give answer

- (a) If only I follows
- (b) If only II follows
- (c) If either I or II follows
- (d) If neither I nor II follows
- (e) If both I and II follow.

Q11. **Statement:** A large number of employees have gone on a mass casual leave in protest, against the company's new recruitment policy.

Courses of action:

- I. The company should immediately withdraw the new recruitment policy.
- II. All these employees should immediately be suspended from their service.

Q12. **Statements:** A large cache of live ammunition has been found in the scarp-yard of a local steel factory.

Courses of action:

- I. The steel factory should immediately be closed down till all these ammunitions are located and shifted to safe places.
- II. The Government should immediately set up an enquiry to unearth the details and take corrective measures to avoid such incidence in future.

Q13. Which of the following expressions will be true if the expression ' $W \leq V > T \geq S$ ' is definitely true?

- (a) $W \leq S$
- (b) $T < W$
- (c) $V > S$
- (d) $W \leq T$

(e) None is true

Q14. Which of the following expressions will not be true if the expression ' $A \geq B = C > D$ ' is definitely true?

- (a) $A \geq D$
- (b) $C \leq A$
- (c) $D < A$
- (d) $B > D$
- (e) All are true

Q15. Secondary school graduates in Japan score significantly higher on tests of science and mathematics than do students at the same level in the United States. Some educational reformers in the United States attribute this difference to the more rigid and rigorous Japanese secondary school programme, which emphasizes required courses, long hours of study and homework, and memorization to a far greater degree than do American schools.

Which of the following, if true, would most seriously weaken the conclusion drawn by the above passage?

- (a) The Japanese elementary school programme is far less rigid and structured than the elementary school programmes in most United States schools.
- (b) Many Japanese parents and educators decry the Japanese educational system, saying that it stifles independent thinking on the part of students.
- (c) United States schools, in which creativity and flexible student schedules are emphasized, usually produce students with science and maths scores equal to those of the best Japanese students.
- (d) On an average, Japanese students score lower than United States students on tests of logical thinking, language arts, and communications skills.
- (e) A higher percentage of American students go for higher education than in Japan.



Solutions

Solutions (1-5):

Sol.

Persons	Age	Year	Floor
G	60	1957	Eighth floor
H	55	1962	First floor
I	45	1972	Second floor
J	43	1974	Fifth floor
K	81	1936	Seventh floor
L	35	1982	Sixth floor
M	38	1979	Third floor

S1. Ans.(e)

S2. Ans.(a)

S3. Ans.(e)

S4. Ans.(a)

S5. Ans.(a)

Solutions (6-10):

Sol. In the given code, the number of alphabets in the given word is coded as the alphabet which has the same rank in the alphabetical series as the number of alphabets in the word. (For example: Stones--no of words =6 so code-F) The number in the code represents the sum of the ranks (in the alphabetical series) of the vowels in the word.

For example stones- F20 (O(15) + E(5))

S6. Ans.(a)

S7. Ans.(a)

S8. Ans.(e)

S9. Ans.(c)

S10. Ans.(d)

Solutions (11-12):

S11. Ans.(d)

Sol. Here, the problem is one of mutual disagreement. So, extreme measures as getting rid of the policy or employees protesting against it, won't help. It can best be solved by finding a middle path via mutual talks. Thus, neither I nor II follows.

S12. Ans.(e)

Sol. Clearly, such a finding demands a probe into the matter along with sealing of the premises for further checks to avoid any mishap. Thus both the course of action I and II follow.

S13. Ans.(c)

S14.Ans.(a)

S15. Ans. (c)

Sol. The passage claims that the critical difference between the Maths and science scores of Japanese and American children is the discipline of the Japanese educational system. (c) directly contradicts this claim. It says, in essence, that this cannot be the proper casual explanation because American students, in highly flexible environments, actually outscore the Japanese students in their rigid environments.



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