

Quiz Date: 29<sup>th</sup> March 2020

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

Seven persons P, Q, R, S, T, U and V live different floors of the same building having seven floors. Ground floor is numbered 1, first floor is numbered 2 and so on until the topmost floor is numbered 7. Each one of them was born in a different month of the same year starting from January to July but not necessarily the same order. V is not the oldest. Only one person lives between P and the youngest person. The second youngest person lives on an even numbered floor. Q neither lives immediately above nor lives immediately below the floor on which the third youngest person lives. Only three persons live between the persons who were born in July and April. R lives on the floor which is immediately below the floor on which T lives. Only two persons live between Q and the third oldest person. Only three persons live above the floor on which P lives. The person who was born in March lives on one of the floors below the floor on which Q lives. P does not live immediately above or immediately below S. The person who was born in the month of June lives on the floor which is immediately above the floor on which U lives. The person who lives immediately above V was not born in July.

Q1. How many persons living above V are older than V?

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

Q2. Who among the following lives on third floor?

- (a) The oldest person
- (b) U
- (c) R
- (d) V
- (e) T

Q3. Who lives on the floor which is immediately above the floor on which T lives?

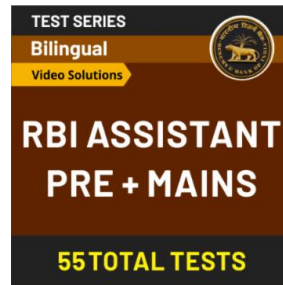
- (a) P
- (b) Q
- (c) S
- (d) V
- (e) U

Q4. How many persons living below S are younger than S?

- (a) None
- (b) Two
- (c) One
- (d) More than three
- (e) Three

Q5. How many persons live between the floors on which the youngest and the oldest person lives?

- (a) None
- (b) Two
- (c) One
- (d) More than three
- (e) Three



Directions (6-7): In each question below is given a statement followed by three courses of action numbered I, II and III. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problems, policy etc. on the basis of the information given in the statement, you have to assume everything in the statement to be true, then decide of the suggested courses of action logically follows for pursuing.

Q6. **Statement:** Many people living in the slums of western part of the town are diagnosed to be suffering from malaria.

**Courses of Action:**

- I. The municipal corporation should immediately make necessary arrangements to spray mosquito repellent in the affected area.
- II. The municipal authority should immediately make necessary arrangements to provide quick medical help to the affected people.
- III. The municipal authority should take steps to shift all the people staying in the slums of western part of town to other areas.

- (a) Only I follows
- (b) Only II follows.
- (c) Only I and II follow.
- (d) Only I, II and III follow.
- (e) None of these

Q7. **Statement:** Many teachers of the local school have rendered their resignation to the principal to protest the management's decision for not implementing revised pay scales.

**Courses of Action:**

- I. The school management should accept the resignations and appoint new teachers.
- II. The school management should persuade the teachers to continue with an assurance of considering the pay hike issue.
- III. The school management should approach the govt. for guidelines.

- (a) None follows

- (b) Only either I or II follows.
- (c) Only III follows.
- (d) Only I follows.
- (e) Only II follows.

Q8. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that makes the expression  $A > N$  and  $U > E$  definitely false?

A \_ O \_ U \_ N \_ E

- (a)  $<, <, >, =$
- (b)  $<, =, =, >$
- (c)  $<, =, =, <$
- (d)  $>, =, =, \geq$
- (e)  $>, >, =, <$

Q9. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that makes the expression  $P > Q$  as well as  $R \leq S$  definitely true?

P \_ S \_ T \_ Q \_ R

- (a)  $=, =, \geq, \geq$
- (b)  $>, \geq, =, >$
- (c)  $>, <, =, \leq$
- (d)  $>, =, =, \geq$
- (e)  $>, =, \geq, >$

Q10. In a class Shivani is 20th from the top and Monica is 20th from the bottom. Dheeraj is at 6<sup>th</sup> rank below Shivani and at 5<sup>th</sup> rank above Monica. How many students are in the class if list includes all the students of the class?

- (a) 50
- (b) 51
- (c) 52
- (d) 58
- (e) None of these

Direction (11-15): **Read the given information carefully and answer the following questions:**

There are six cars parked in a parking area. Cars are A, B, C, D, E, F, they all are of different weights, all are situated at some distance from each other. There is no car is situated in west of car A, D, and E. Heaviest car is 12m north of car B. Car C is 5m east of car D. Lightest car is north west of car D. Car C is not the heaviest car. Car D is situated somewhere in between car E and B vertically. Car D is heavier than both E and F. Car F is 3<sup>rd</sup> heaviest car among all the cars and is 6m west of 3<sup>rd</sup> lightest car. E is not 3<sup>rd</sup> lightest.

Q11. What is the shortest distance between car B and C?

- (a) 15m
- (b) 20m

- (c) 13m
- (d) 18m
- (e) None of these

Q12. Which of the following car is second heaviest car?

- (a) C
- (b) A
- (c) E
- (d) Either (a) or (c)
- (e) None of these

Q13. What is the direction of car A with respect to car E?

- (a) South
- (b) South west
- (c) North west
- (d) Cannot be determined
- (e) West

Q14. Which of the following car is the lightest car?

- (a) E
- (b) C
- (c) B
- (d) A
- (e) None of these

Q15. What is the direction of car C with respect to car A?

- (a) South
- (b) South east
- (c) North west
- (d) West
- (e) None of these



## Solutions

### Solutions (1-5)

Sol.

Floor	Persons	Month
7	S	January
6	Q	April
5	V	February
4	P	June
3	U	March
2	T	July
1	R	May

S1. Ans.(a)

S2. Ans.(b)

S3. Ans.(e)

S4. Ans.(d)

S5. Ans.(d)

**Solutions (6-7):**

S6. Ans. (c)

Sol. Both I and II course of action logically follow from the statement.

S7. Ans. (e)

Sol. Only II looks appropriate because the school management should consider the demand of teachers.

S8. Ans.(c)

Sol.  $A < O = U = N < E$

In this expression  $A > N$  and  $U > E$  both are false.

S9. Ans.(d)

Sol.  $P > S = T = Q \geq R$

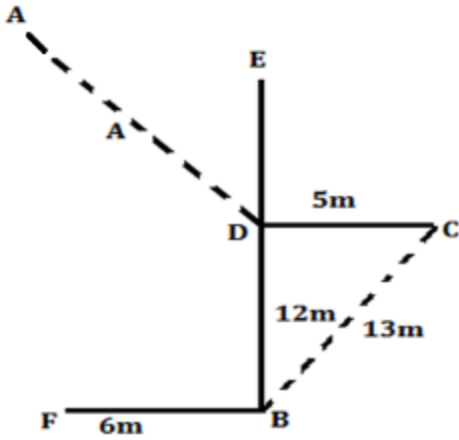
In this expression  $P > Q$  and  $R \leq S$  both are true.

S10. Ans.(a)

Sol. Total number of students in the class = 50

**Solutions (11-15):**

**Sol.**



$D > C/E > F > B > C/E > A$

S11. Ans.(c)

S12. Ans.(d)

S13. Ans.(d)

S14. Ans.(d)

S15. Ans.(b)



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