

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

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

Eight persons are living on eight different floors of an eight storey building, in such a way ground floor is numbered as 1 and the top floor is numbered as 8. Each person has different number of books (all books are in increasing order from bottom to top that means a person have lowest number of books lives on 1<sup>st</sup> floor and the person who has highest number of books lives on 8<sup>th</sup> floor). The one who has maximum number of books is not more than 40.

Only three persons are live between D and E, who has less number of books than D. F has four books more than D. G lives on an odd numbered floor and has just half number of books than C. B has number of books which is square of an odd number and five times of the number of books A has. E has number of books which is square of an even number. More than three persons are living in between F and A. Only one person lives between H and G. G has 8 books less than H. C has more books than F and B. F has 20 books more than E. H has three books more than B.

Q1. How many books does C have?

- (a) 25
- (b) 32
- (c) 36
- (d) 40
- (e) None of these

Q2. What is the difference between the number of books have D and B?

- (a) 12
- (b) 15
- (c) 7
- (d) 10
- (e) None of these

Q3. Who among the following lives on 5<sup>th</sup> floor?

- (a) C
- (b) G
- (c) H
- (d) B
- (e) None of these

Q4. The person who has 36 number of books lives on which floor?

- (a) 8<sup>th</sup> floor
- (b) 6<sup>th</sup> floor
- (c) 7<sup>th</sup> floor
- (d) 5<sup>th</sup> floor
- (e) None of these

Q5. How many persons are live in between D and the one who has 16 books?

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

**Directions (6-7):** Given below are pairs of events 'A' and 'B'. You have to read both the events 'A' and 'B' and decide their nature of relationship. You have to assume that the information given in 'A' and 'B' is true and you will not assume anything beyond the given information in deciding the answer. Mark answer

- (a) If 'A' is the effect and 'B' is its immediate and principal cause.
- (b) If 'A' is the immediate and principal cause and 'B' is its effect.
- (c) If 'A' is an effect but 'B' is not its immediate and principal cause.
- (d) If 'B' is an effect but 'A' is not its immediate and principal cause.
- (e) None of these

Q6. Statement (A): The government has decided to roll back the hike in the prices of cooking gas and kerosene.

Statement (B): Some ministers had resigned in protest against the hike in prices of cooking gas and other petroleum products.

Q7. Statement (A): A traveler found cockroaches in the crevices of his seat and also in the toilets of India's most prestigious train, the Rajdhani Express.

Statement (B): He drew the attention of catering manager, Western Railway, to the insects.

Q8. How many words can be formed from the 2<sup>nd</sup>, 4<sup>th</sup> and 7<sup>th</sup> letter of the word "NATURAL" and 1<sup>st</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> letter of the word "FORCES" by using each letter once in the word?

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

Q9. If all the digits of the number 48623957, are arranged in ascending order from left to right, then 2 is added to the first four digits of the number and 2 is subtracted to the last four digits of the number. Then how many digits are repeating in the number thus formed?

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

Q10. Six persons L, M, N, O, P and Q sit in a linear row adjacent to each other facing north. P sits third to the right of Q. N sits immediate left of Q. Two persons sit between N and M. No one sits left of N. How many persons sit to the left of M?

- (a) One

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

Q11. Which of the following symbols should replace the sign (@) and (%) respectively in the given expression in order to make the expression  $L \geq U$  and  $R > J$  definitely true?

$$L \geq K \geq P = N = J @ U \leq A \% R$$

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

Q12. Which of the following will be definitely true if the given expression  $T \geq U \geq M = N < J = P < Q \leq R$  is definitely true?

- (a)  $T < J$
- (b)  $U > M$
- (c)  $R > N$
- (d)  $R \geq M$
- (e)  $T < P$

**Directions (13-15): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements are sufficient to answer the question. Read both the statements and give answer:**

- (a) if the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
- (b) if the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.
- (c) if the data either in statement I alone or statement II alone is sufficient to answer the question.
- (d) if the data in statements I and II together are not sufficient to answer the questions.
- (e) if the data in statements I and II together are necessary to answer the questions.

Q13. What is the distance between point E and point H?

**I.** The point D is 8 m to the south of point C, which is 8 m to the east of point B. Point G is 16 m to the west of point D which is 8 m to the east of point A. Point H is 4 m to the east of point D. Point E is to the south of point C.

**II.** The point G is 8 m to the west of point A, which is 8 m to the south of point B. Point C is to the north-west of point A. Point E is to the north of point D. Point H is to the south-east of point C.

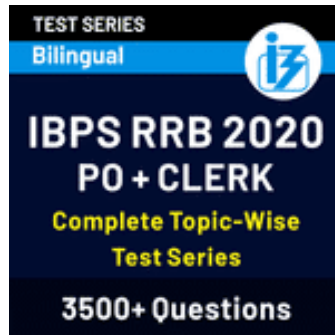
Q14. By using which statement, we can conclude 'Some white is not tiger'.

- I. All white is dog. Some white is rabbit. Some cat is dog. No cat is tiger.
- II. Some dog is white. Some white is rabbit. All rabbit is cat. No cat is tiger.

Q15. Five runner Q, R, S, V, T are participating in a race. Who amongst the five of them are fastest runner?

I. Q runs faster than R but not as fast as V. S runs faster than V. T is faster than only one person.

II. T runs faster than R but not as fast as V.



Solutions

**Solutions (1-5):**

**Sol.**

| Floors | Persons | No. of books |
|--------|---------|--------------|
| 8      | C       | 40           |
| 7      | F       | 36           |
| 6      | D       | 32           |
| 5      | H       | 28           |
| 4      | B       | 25           |
| 3      | G       | 20           |
| 2      | E       | 16           |
| 1      | A       | 5            |

S1. Ans.(d)

S2. Ans.(c)

S3. Ans.(c)

S4. Ans.(c)

S5. Ans.(b)

**Solutions (6-7):**

S6. Ans.(a)

Sol. Because of the statement (B), government has decided to roll back the hike in the prices of cooking gas and kerosene.

S7. Ans.(b)

Sol. As he found cockroaches in the crevices, he immediately drew the attention of the catering manager. So, statement (B) is the effect of statement (A).

S8. Ans.(d)

Sol. Careful

S9. Ans.(e)

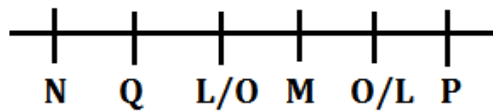
Sol. Original Number- 48623957

After arrangement- 23456789

Obtained number- 45674567

S10. Ans.(c)

Sol.



S11. Ans. (d)

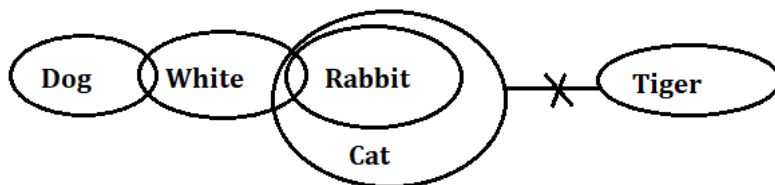
S12. Ans. (c)

S13. Ans. (d)

Sol. From both the given statements, position of point E cannot be determined hence, it is not possible to find the distance between point E from point H.

S14. Ans.(b)

Sol. By using only second statement we can conclude that Some white is not tiger.



S15. Ans. (a)

Sol. From I and II-

$S > V > Q > T > R$



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