Quiz Date: 8<sup>th</sup> May 2020

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

Six students A, B, C, D, E, F study in three different classes I, II, III. Not more than three and not less than one student is studying in any particular class. The students also like different colors i.e. white, black, green, purple, blue and red. The students also paid school fees by three different modes of payment- cash, cheque, demand draft. None of the student studying in the same class paid fees by the same mode. E likes red. C did not pay fees by cheque. A likes black and did not pay fees by cash. None of the student studying in III paid fees by cheque. D does not like blue. B likes white and paid fees by the same mood as the one who likes purple. C does not like green and blue. The one who is junior to D did not pay fees by demand draft. The one who likes green did not pay fees by demand draft. The one who likes white is senior to A but not immediate senior. E is studying neither with A nor F. The one who likes purple did not pay fees by Demand draft. C studies with two more students but not with A and the one who likes white. F studies in III.

Q1. Which of the following is true regarding C?

(a) red- cash

(b) purple-cash

(c) black-demand draft

(d) green -cheque

(e) none of these

Q2. Which of the following persons like green?

(a) E

(b) F

(c) C

(d) B

(e) none of these

Q3. Which of the following is true regarding A?

(a) I- black-cheque

(b) II-white- cash

(c) III-purple-demand draft

(d) either a or b

(e) either b or c

Q4. Who among the following studies with A?

(a) E

(b) F

(c) C

(d) B

(e) no one

Q5. Who among the following studies with F?

(a) E (b) D (c) C

(d) B

(e) no one

Directions (6-10): 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 provided in the statements are sufficient to answer the question. Read all the two statements and Give answer:

(a) If the data in Statement I is sufficient to answer the question while the data in Statement II is not required to answer the question

(b) If the data in Statement II is sufficient to answer the question, while the data in Statement I is not required to answer the question

(c) If the data in either Statement I alone or Statement II alone is sufficient to answer the question

(d) If the data neither in Statement I nor in Statement II together are sufficient to answer the question

(e) If the data in all the Statement I and II together are necessary to answer the question

Q6. Who is the highest paid member among A, B, C, D, E and F?

I.B earned more than C and F but less than A. F earned more than only two persons. II. Neither A nor E is the highest paid member.

Q7. Six friends A, B, C, D, E and F are sitting in a row. Some of them are facing north while others are facing south. What is the position of F with respect to B?

I. C sits second to the right of E, who sits at one of the ends. Both C and E faces opposite direction. Two persons sit between A, who faces south and F. D faces north and sits at one of the ends. B is an immediate neighbor of A.

II. D faces south and sits at one of the ends. Two persons sit between E and D. A is an immediate neighbor of E and faces north. A sits third to the right of C, who sits at an end. B sits to the immediate right of A and faces same direction as A.

Q8. What is the age of E?

I. B is the elder brother of E. Mother of E was born in 1975.

II. E is 5yr younger brother of C. Age difference between C and his father who was born in 1970 is 24yr.

Q9. How is M related with S?

I. M is the daughter of Q, who is married to P. P is the sister of Z and Z is the son of S. II. S is the father of Q, who is the mother of Z who is sister of M. P is married to Q.

Q10. On which of the following date did Deepika gave her exam? I. Deepika's father correctly remembers that her exam was after 20<sup>th</sup> and before 24<sup>th</sup> of the same month. II. Deepika correctly remembers that her exam was after 15<sup>th</sup> and before 24<sup>th</sup> on a date of the same month which is a perfect square.

## Directions (11-13): Study the following information and answer the questions given below:

Z, X, W, T, U and Y are six students studying in a class. Each of them has a different height and weight. The tallest is not the heaviest. U is taller than only Z but lighter than W. X is taller than T and X and heavier than only U and Y. Z is lighter than only T. U is heavier than Y. T is taller than Y and X is not the tallest.

Q11. How many of them are heavier than U?

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

#### Q12. How many of them are shorter than X?

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

Q13. Who among them is tallest?

- (a) Y
- (b) Z
- (c) U
- (d) W
- (e) None of these

Q14. In which of the following expression shows that, 'M $\ge$ 0' and 'Z<Y' being definitely true?

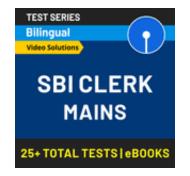
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- (a)  $M>0>B\geq Z\geq E<Y$
- (b)  $Z < Q \le Y < M > J \ge 0$
- (c)  $Y>0\leq Z\leq I\leq M=Q$
- (d)  $Y > I \ge Z = 0 \le J \le M$
- (e) None of these

Q15. Which of the following symbols should replace the sign (?) and (\*) in the given expression in order to make the expression Q>X definitely false and Z>Q is definitely true? Z (?) Y > Q (\*)  $M \ge X$ 

(a) >, >

- (b) ≥, >
- (c) <, =
- (d) >, =
- (e) None of these



#### Solutions

#### Solutions (1-5): Sol.

501.				
Person	Class	Color	Mode of	
			payment	
А	Ι	Black	Cheque	
В	III	White	Cash	
С	II	Purple	Cash	
D	II	Green	Cheque	
Е	II	Red	Demand draft	
F	III	Blue	Demand draft	

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- S1.Ans(b)
- S2.Ans(e)
- S3.Ans(a)
- S4.Ans(e)
- S5.Ans(d)

### Solution (6-10):

S6. Ans.(e)

Sol. By combining both the statements together we find D is the highest paid member.

- S7. Ans.(b)
- S8. Ans.(d)
- Sol.

S9. Ans.(a)

Sol. By using first statement we can find M is grand-daughter of S.

$$\begin{array}{c} & & \\ & & \\ \\ & \\ \\ \\ M^{(\cdot)} \\ \\ S10. \text{ Ans.(b)} \end{array}$$

Sol. By using second statement we can find Deepika's exam on 16<sup>th</sup> of that month.

### Solutions (11-13):

Height: W>X>T>Y>U>Z Weight: T>Z>W>X>U>Y

S11. Ans.(e) S12. Ans.(b) S13. Ans.(d)

S14. Ans.(d)

S15. Ans.(d)



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