

### **Sopra Steria Previous Years Placement Questions**

**Q1. In an election a man gets 55% of valid votes. 20% of total votes are invalid, the number of total votes is 4500. Find out how many vote did the other candidate receive.**

**ANS: 2700**

**Q2. Out of 22 students 21 of them gets an average marks of (35)\* and one of them get (60)\* find the average mark of all the students.**

**ANS: 45**

**Q3. A batsmans average in 12 innings is 24.00. If his average is to be double of the number of innings (15 innings), what should he score in the remaining three innings (average)?**

**Q4. In a journey of 6 hours, a man travels for  $\frac{1}{4}$  an hour,  $\frac{11}{8}$  and  $\frac{7}{3}$  of an hour. Find out how much time more he needs to travel?**

**ANS: none of these**

**Q5. In a journey 180 km is to be covered in 4 hours. For the first 3 hours the average speed is 50 km / hr. Find out how much distance is remaining to be covered in the final hour?**

**ANS: 30 km/hr**

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**Q6.** The cost of tiling a room at the rate of 25 paise per sq.m is Rs.120. It is found that when the length is reduced by 3 the total cost comes to around Rs.105. Find the dimension of the room.

**ANS:** 24, 22

### Questions 7 to 8:

An employee has been assigned the task of allotting offices to six of the staff members. The offices are numbered 1 - 6. The offices are arranged in a row and they are separated from each other by six foot high dividers. Hence voices, sounds and cigarette smoke flow easily from one office to another.

Miss Roberts needs to use the telephone quite often throughout the day. Mr. Mike and Mr. Brown need adjacent offices as they need to consult each other often while working. Miss. Hardy, is a senior employee and has to be allotted the office number 5, having the biggest window.

Mr. Donald requires silence in the offices next to his. Mr. Tim, Mr. Mike and Mr. Donald are all smokers. Miss Hardy finds tobacco smoke allergic and consecutively the offices next to hers to be occupied by non-smokers.

Unless specifically stated all the employees maintain an atmosphere of silence during office hours.

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Q7. The three employees who are smokers should be seated in the offices:

- (a) 1, 2 and 4
- (b) 2, 3 and 6
- (c) 1, 2 and 3
- (d) 1, 2 and 3
- (e) 1, 2 and 6

**ANS:** (d)

Q8. The ideal candidate to occupy the office furthest from Mr. Brown would be

- (a) Miss Hardy
- (b) Mr. Mike
- (c) Mr. Tim
- (d) Mr. Donald
- (e) Mr. Robert

**ANS:** (d)

**Directions for questions 9 to 11:**

Three men (Tom, Peter and Jack) and three women (Eliza, Anne and Karen) are spending a few months at a hillside. They are to stay in a row of nine cottages, each one living in his or her own cottage. There are no others staying in the same row of houses.

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1. Anne, Tom and Jack do not want to stay in any cottage, which is at the end of the row.
2. Eliza and Anne are unwilling to stay besides any occupied cottage.
3. Karen is next to Peter and Jack.
4. Between Anne and Jacks cottage there is just one vacant house.
5. None of the girls occupy adjacent cottages.
6. The house occupied by Tom is next to an end cottage.

Q9. How many of them occupy cottages next to a vacant cottage?

- (a) 2
- (b) 3
- (c) 4
- (d) 5
- (e) 6

**ANS:** (c)

Q10. Which of the above statements can be said to have been derived from two other statements?

- (a) Statement 1
- (b) Statement 2
- (c) Statement 3
- (d) Statement 5
- (e) Statement 6

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**ANS:** (d)

**Q11.** Which among these statement(s) are true?

1. Anne is between Eliza and Jack.
2. At the most four persons can have occupied cottages on either side of them.
3. Tom stays besides Peter

- (a) I only
- (b) II only
- (c) I and III only
- (d) II and III only
- (e) I, II and III

**ANS:** (c)

**Q12.** Sum of three numbers is 98. The ratio between 1 and 2 is 2:3. The ratio between 2 and 3 is 5:8. Find the second number?

**Q13.** In a class of 250 students, on JAN 2 15% of the girls and 10% of the boys are absent. If on 100% attendance there are 10 boys. Find the percentage present?

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**Q14.** A car travels uphill at 30 km/hr and downhill at 60 km/hr. It goes 100 km uphill and 50 km downhill. Find the average speed of the car?

**Q15.** A man buys 1kg of sandalwood and 1kg of teakwood. He sells one for 10% profit and other for 10% loss. What is total profit/loss percentage?

**Q16.** Mandrake has to choose from 4 from 10 people. There are 3 Girls, 5 Boys, 2 Children. What is total probability that he will choose 1 Girl , 2 Boys , 1 Child?

**Q17.** Gulshan Kumar and Rakesh Roshan take a film. If they take an art film its 25 lacs or a multi starrer its 75 lacs. They spend 28% on clothing,11% on lighting. Actor fee 22% for Multi starrer or 10 lacs for art film. Based on these data some questions were asked.

**Q18.** One question related to : Cities A - M are connected. Distance between any two cities is 1 mile. They gave which city connects which city.