

## SBI PO Pre Mock-06 Based on 2nd shift- 21st November 2021

**Directions (1-7): Read the following passage and answer the following questions. Some words have been highlighted in order to find them while answering the question.**

Discipline in school life is very important for students. We can't be well educated without discipline. Without learning and the following discipline in school life can cost students later in their career. In school education, discipline is a set of rules & regulations that remind us of the proper code of behavior. Discipline is ever more important during school life. And now many schools are using school management software and discipline tracking tools.

But discipline is not only important for school students it's for everyone. Discipline is self-improvement practice. It is what helps us all to achieve our goals in life. See a successful business owner, a popular leader and you will find that he/she is well disciplined. Disciplined founders and leaders have higher business intelligence and strong analytical skills. Because they practiced their business growth strategies **consistently** and with focus.

For example, you have goals and dreams. You want to achieve them. And most of the time people get 50% success. But discipline aligns us to keep going, keep working, keep dreaming until it is not 100%. That's the way of success. And that's why I think implementations of discipline in students' minds help them to achieve their goals and dreams later in life.

In school life, students have a tender mind that does not know what is right or wrong. Students need constant guidance and supervision from his teachers otherwise, he can go towards the wrong path. Using an analogy to explain this, we can say that a school is like a canal that a farmer builds for irrigating his fields. There is a purpose behind building a canal. The purpose is to guide/redirect the water to those areas that are far from the water source. Its purpose is to connect two water sources and provide nourishment to villages so that crops can grow. Likewise, there is a purpose of building a school. Its purpose is to guide/redirect the students in school life in the right direction so that they grow up to become socially, scientifically and morally educated. This is where discipline comes into the picture. Building a canal and maintaining discipline in schools is not an easy task. The water in the canal and the students in the schools will resist any attempts to **regulate** them. The water will try to seep through the canal if there are cracks in it or it will try to flow over the wall if they are not high enough. Similarly, the students will try to escape the rules and regulations if discipline is not maintained or enforced strictly. If their mind is not occupied by their teachers in learning activities, it will wander into bad activities. They might even wonder themselves outside class if there is no teacher to watch them.

To sum it up, we can say that students are like water and discipline in schools is like the walls of a canal. The water will flow well if the walls of the canal are strong and the students will do better in life if the discipline in their schools is strict.

**Q1. Which of the following definition of discipline has/have been given in the passage?**

- (a) practice involving the improvement of self
- (b) a collection of rules in accordance with the code of behavior
- (c) Both (a) and (b)
- (d) adhering to set of rules prescribed by regulating authority
- (e) None of these.

**Q2.** Which of the following is similar in meaning to 'CONSISTENTLY' as used in the passage?

- (a) significantly
- (b) continuously
- (c) marginally
- (d) concentrated
- (e) None of these.

**Q3. In accordance with the information provided in the passage, what is the main idea behind schooling system?**

- (a) help the students in achieving good grades in their exams
- (b) to provide guidance to the students in the direction of growth
- (c) prepare them for the market trends and needs
- (d) teach them skills to acquire a good job
- (e) None of these.

**Q4. In context of the passage, which of the following quality(ies) is/are necessary to achieve success in life?**

- (i) Dedication
- (ii) Imagination
- (iii) Brilliance
- (a) Only (i)
- (b) Only (ii)
- (c) Both (ii) and (iii)
- (d) Both (i) and (ii)
- (e) None of these.

**Q5. Author has used the example of the canal in order to highlight the -**

- (a) role played by it in channeling the water
- (b) importance of schools for children
- (c) need of connecting two water resources
- (d) both (a) and (c)
- (e) None of these.

**Q6.** Which of the following is opposite in meaning to 'REGULATE' as used in the passage?

- (a) control
- (b) mitigate
- (c) liberty
- (d) survive
- (e) None of these.

**Q7. What role does a teacher play in the schooling system?**

- (a) guiding the students on the right path
- (b) solving their doubts related to their subjects
- (c) acting as role model for their future career aspects
- (d) teaching them concepts of their assigned subject
- (e) None of these.

**Directions (8-12):** Given below are six sentences given in jumbled form. Arrange the following sentences to form a coherent paragraph and answer the following questions.

- A. The rules do not favour workers and tiny enterprises because they have too little power.
- B. While making the lives of migrant workers more precarious.
- C. The power to fix the rules of the game has become concentrated with wealthy investors and large multinational corporations.
- D. Small enterprises and workers must combine into larger associations, in new forms, using technology, to tilt reforms towards their needs and their rights.
- E. Large enterprises employ fewer people within their own organisations; therefore, labour unions have lost their traditional support bases.
- F. A turbo-charged, financial globalisation has made life very easy for migrant capital,

**Q8.** What should be the **THIRD** sentence of the final coherent paragraph?

- (a) A
- (b) F
- (c) D
- (d) B
- (e) C

**Q9.** What should be the **FOURTH** sentence of the final coherent paragraph?

- (a) A
- (b) F
- (c) D
- (d) B
- (e) E

**Q10.** What should be the **SECOND** sentence of the final coherent paragraph?

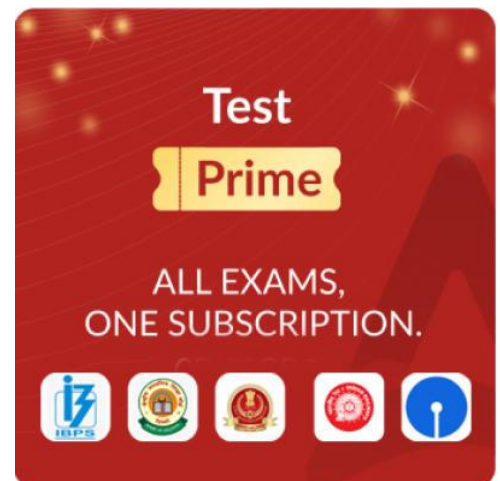
- (a) F
- (b) C
- (c) A
- (d) D
- (e) B

**Q11.** What should be the **LAST** sentence of the final coherent paragraph?

- (a) F
- (b) A
- (c) E
- (d) D
- (e) B

**Q12.** What should be the **FIRST** sentence of the final coherent paragraph?

- (a) B
- (b) F
- (c) E
- (d) C
- (e) D



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**Directions (13-14):** Two columns are given in each question and each column has three parts of a sentence. Choose the most suitable pair, which makes a grammatically correct and contextually coherent statement.

**Q13. COLUMN I**

- (A) it will help to have better coordination between the Centre
- (B) some of them have even got beaten up by the police
- (C) Flipkart announced that it had suspended its services

**COLUMN II**

- (D) online vendors were able to go about their jobs
  - (E) working towards completing delivery of essential goods
  - (F) while rival Amazon India halted orders for non-essential products
- (a) A-E
  - (b) B-E
  - (c) C-F
  - (d) C-D
  - (e) None of these

**Q14. COLUMN I**

- (A) The lockdown in India's bread basket of Punjab has put
- (B) There are many instances where people are simply
- (C) A bumper crop was being expected this year

**COLUMN II**

- (D) pointed at was the forthcoming harvest of wheat
  - (E) its rural economy into an uncertain and desperate situation
  - (F) that vegetable and milk producers were not harassed in villages
- (a) A-E
  - (b) B-E
  - (c) C-F
  - (d) C-D
  - (e) None of these

**Directions (15-17):** Select the phrase/connector (STARTERS) from the given three options which can be used to form a single sentence from the two sentences given below, implying the same meaning as expressed in the statement sentences.

**Q15.**

**(1) Politicians have used banks to further their political interests,**

**(2) So also, will corporate houses be tempted to use banks set up by them to enhance their clout.**

- (I) Just as politicians have used banks to further.....
  - (II) Although politicians have used banks to further.....
  - (III) Having used banks to further their political interests.....
- (a) Only (I) is correct
  - (b) Only (II) is correct
  - (c) Only (III) is correct
  - (d) Both (I) and (II) are correct
  - (e) All are correct

**Q16. (1) The Internal Working Group believes that the RBI must be equipped with a legal framework.**

**(2) Before corporate houses are allowed to enter banking,**

- (I) The RBI must be equipped with a legal framework.....
  - (II) corporate houses are allowed to enter banking before.....
  - (III) The Internal Working Group believes that before corporate houses are allowed.....
- (a) Only (I) is correct
  - (b) Only (II) is correct
  - (c) Only (III) is correct
  - (d) Both (I) and (II) are correct
  - (e) All are correct

**Q17. (1) The system will permit their transfer to the Main Database.**

**(2) None of the entries were flagged as requiring attention,**

- (I) Since none of the entries were flagged as requiring.....
  - (II) Provided that none of the entries were flagged as.....
  - (III) Permitting their transfer to the Main Database.....
- (a) Only (I) is correct
  - (b) Only (II) is correct
  - (c) Only (III) is correct
  - (d) Both (I) and (II) are correct
  - (e) All are correct

**Directions (18-22): Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is 'No error', the answer is (E). (Ignore errors of punctuation, if any.)**

**Q18. (A) Ravi felt/(B) sadly to learn that/(C) his sister had/(D) failed the UPSC exam. /(E) No error**

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

**Q19. (A)If a doctor/(B) will read the report, /(C)we will see if /(D)we've missed anything important. /(E) No error**

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

**Q20. It has been (A)/ miserable to watch (B)/ our experienced Indian cricketers biting the (C)/ dust in Australia (D). / No error (E)**

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

**Q21. The side-effects has (A)/ not been studied (B)/ completely yet, due to the breakneck (C)/ speed at which vaccine is being brought to the market (D). / No error. (E)**

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

**Q22. (A) Honey makes/ (B) sweet foods/ (C) taste even more sweetly,/ (D) a new study shows. / (E) No error**

- (a) A
- (b) C
- (c) B
- (d) D
- (e) E

**Directions (23-25): Given below are four jumbled sentences. Select the option that gives their correct order.**

**Q23. (A) Ms. Suu Kyi feels that she has  
(B) democratization transition has to eventually succeed  
(C) No option but to cooperate  
(D) with the military if Myanmar's**

- (a) ACBD
- (b) ACDB
- (c) BCDA
- (d) CBDA
- (e) No rearrangement required

**Q24. (A) and maximum pressure on Iran  
(B) Of economic sanctions  
(C) Last but not the least, the end of Trump  
(D) administration does not necessarily mean the end**

- (a) DBAC
- (b) CABD
- (c) CDBA
- (d) ACBD
- (e) No rearrangement required

- Q25. (A) of a Mother Teresa or Malala Yousafzai**  
**(B) Giving the Nobel Prize to sitting**  
**(C) risky and these recipients should not be held to a gold standard**  
**(D) prime ministers or presidents is inherently**  
(a) BDCA  
(b) BDAC  
(c) CDBA  
(d) ACBD  
(e) No rearrangement required

**Directions (26-30): In the following sentence there are two blanks in each. Five pairs of words as options are given. Find out the appropriate pair of words which fits the blanks appropriately.**

**Q26. As far as the NIA is \_\_\_\_\_, so far 48 special courts have been \_\_\_\_\_ across the country for the speedy trial of terror-related cases.**

- (a) enhance, sought  
(b) permit, efficacy  
(c) outcomes, convalescent  
(d) concerned, constituted  
(e) immune, quantity

**Q27. The real problem is that such \_\_\_\_\_ utterances reflect the \_\_\_\_\_ mindset of our judges and the larger society.**

- (a) random, journey  
(b) avoidable, patriarchal  
(c) evaluate, regimens  
(d) significantly, observe  
(e) review, facilities

**Q28. Fire represents a severe \_\_\_\_\_ in both developing and developed countries and \_\_\_\_\_ significant threat to life, structure, property and environment.**

- (a) accelerate, resign  
(b) hazard, poses  
(c) experts, excellence  
(d) immediate, relief  
(e) denied, convene

**Q29. Younger musicians who are \_\_\_\_\_ out have so many platforms to \_\_\_\_\_ their talent.**

- (a) starting, showcase  
(b) inclusion, misgivings  
(c) barrier, publisher  
(d) feature, assist  
(e) regional, unveil

**Q30. One Page Spotlight will be \_\_\_\_\_ the first \_\_\_\_\_ of its virtual Spotlight Literature Festival.**

- (a) contemporary, discuss
- (b) hosting, edition
- (c) craft, spotlight
- (d) consist, offering
- (e) acclaimed, minority

**Directions (31-35): In the given below questions, two equations (I) and (II) are given. You have to solve both the equations and mark the answer accordingly.**

**Q31.**

**I.**  $x^2 - 11x + 30 = 0$

**II.**  $y^2 - 9y + 20 = 0$

- (a)  $x > y$
- (b)  $x < y$
- (c)  $x \leq y$
- (d)  $x \geq y$
- (e)  $x = y$  or no relation.

**Q32.**

**I.**  $x^2 - x - 6 = 0$

**II.**  $y^2 - 8y + 12 = 0$

- (a)  $x > y$
- (b)  $x < y$
- (c)  $x \leq y$
- (d)  $x \geq y$
- (e)  $x = y$  or no relation.

**Q33.**

**I.**  $x^2 = 196$

**II.**  $y^3 = 1728$

- (a)  $x > y$
- (b)  $x < y$
- (c)  $x \leq y$
- (d)  $x \geq y$
- (e)  $x = y$  or no relation.

**Q34.**

**I.**  $x^3 = 729$

**II.**  $y^2 - 15y + 54 = 0$

- (a)  $x > y$
- (b)  $x < y$
- (c)  $x \leq y$
- (d)  $x \geq y$
- (e)  $x = y$  or no relation.



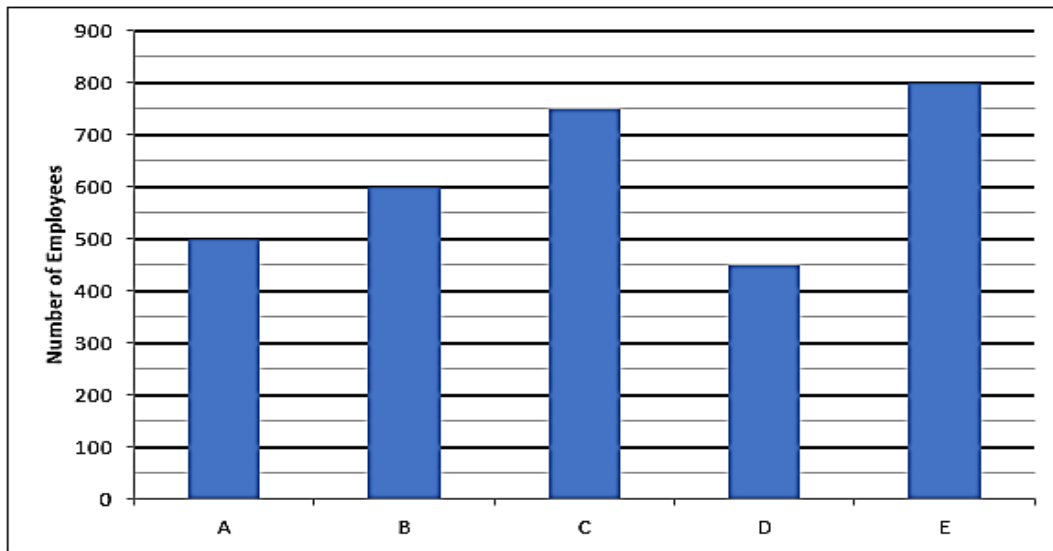
**Q35.**

**I.**  $x^2 - 15x + 56 = 0$

**II.**  $y^2 - 8y + 15 = 0$

- (a)  $x > y$
- (b)  $x < y$
- (c)  $x \leq y$
- (d)  $x \geq y$
- (e)  $x = y$  or no relation.

**Directions (36-40):** - Given bar graph shows the number of employees (Urban + Rural) in five different companies. Study the graph carefully and answer the following questions.



**Q36.** If 50% of total employees in A are urban employees, then total rural employees in A are what percent of total employees in company C?

- (a) 25%
- (b)  $37\frac{5}{7}\%$
- (c)  $38\frac{5}{7}\%$
- (d)  $33\frac{5}{7}\%$
- (e)  $33\frac{1}{3}\%$

**Q37.** Find the average number of employees in company B, D & E?

- (a) 602.67
- (b) 650
- (c) 616.67
- (d) 623.67
- (e) 625

**Q38. Find the difference between average number of employees in company A & C and average number of employees in company B & D?**

- (a) 130
- (b) 100
- (c) 90
- (d) 110
- (e) 105

**Q39. The ratio of urban employees to rural employees in company D & E is 8:7 and 7:3 respectively. Find total number rural employees in both the companies.**

- (a) 430
- (b) 470
- (c) 500
- (d) 450
- (e) 460

**Q40. In another company F, total urban employees are 60% of total employees in company B. If total rural employees in F are 70% of total employees in company D, then find total number of employees in company F.**

- (a) 675
- (b) 600
- (c) 650
- (d) 690
- (e) 655

**Directions (41-46): What approximate value should come in the place of (?) mark:**

**Q41.**  $72.01\% \text{ of } (? + 224.98) = (14.01)^2 + 199.99$

- (a) 325
- (b) 375
- (c) 225
- (d) 405
- (e) 625

**Q42.**  $16.01\% \text{ of } ? + 64.01\% \text{ of } 350.01 = 64.99\% \text{ of } 400$

- (a) 125
- (b) 225
- (c) 275
- (d) 350
- (e) 625

**Q43.**  $\frac{128.05}{?} + (17.01)^2 = 19.99\% \text{ of } 1525.01$

- (a) 6
- (b) 12
- (c) 4
- (d) 16
- (e) 8

Q44.  $?^3 + (24.01)^2 = (25.01)^2 + 29.99\%$  of 49.99

- (a) 2
- (b) 6
- (c) 3
- (d) 8
- (e) 4

Q45.  $?%$  of 420.01 +  $(12.01)^2 = 24.01%$  of 1649.99

- (a) 54
- (b) 60
- (c) 64
- (d) 50
- (e) 55

Q46.  $24.97\%$  of 1459.98 -  $?%$  of 1120.4 = 29.04

- (a) 34
- (b) 27
- (c) 25
- (d) 20
- (e) 30

Q47. The height of a triangle is equal to the perimeter of a square whose diagonal is  $9\sqrt{2}$  metre and the base of the same triangle is equal to the side of the another Square whose area is  $784 \text{ m}^2$ . What is the area of the triangle (In  $\text{m}^2$ ).

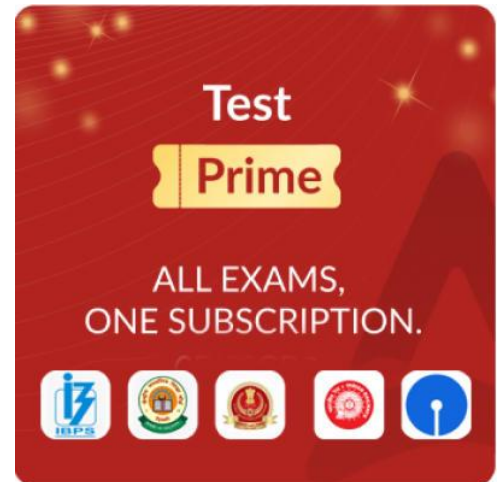
- (a) 504
- (b) 558
- (c) 478
- (d) 522
- (e) 496

Q48. Ayush sold an article at 30% profit. If he had bought at 20% less and sold at Rs 60 less then he would have earned profit equal to  $\frac{1}{4}$  th of the new cost price. If he wants to make a profit of 75% at initial cost price then find the selling price of the article?

- (a) Rs 420
- (b) Rs 350
- (c) Rs 520
- (d) Rs 320
- (e) Rs 460

Q49. Q invested 25% more than P in a partnership business. After six-month, P & Q increased their amount by Rs. 3000 and Rs. 1000 respectively. If at the end of a year, ratio of profit share of P to Q is 27 : 31 then find initial investment of P?

- (a) Rs. 8000
- (b) Rs. 16000
- (c) Rs. 12000
- (d) Rs. 24000
- (e) Rs. 20000



**Q50. The difference between interest received when a sum is invested at 15% p.a. on compound interest for two year and that of when that sum is invested at 15% p.a. on simple interest for two year is 270. Find the simple interest, when the same sum is invested for 1.5 years at 18% p.a.?**

- (a) Rs. 2880
- (b) Rs. 2970
- (c) Rs. 3240
- (d) Rs. 3180
- (e) Rs. 3360

**Q51. The present age of Deepa is 50% more than that of Shiva and the age of Deepa five years ago was 50% of the age of Shiva 10 years hence will. Find sum of their age five years later will be?**

- (a) 30 years
- (b) 25 years
- (c) 45 years
- (d) 35 years
- (e) 20 years

**Q52. If ratio between total surface area of cylinder to its curved surface area is 4 : 3 then radius of cylinder is what percent less than height of cylinder?**

- (a)  $\frac{100}{3}\%$
- (b) 50%
- (c)  $\frac{200}{3}\%$
- (d) 75%
- (e)  $\frac{250}{3}\%$

**Q53. There is a mixture of milk and water in which the ratio of milk to water is 3 : 2 respectively when, 40 liters of pure milk is added to the mixture, the ratio of water to milk become 1 : 2. If 90 liters of the new mixture is taken out then find the quantity of water in the remaining quantity of new mixture.**

- (a) 80 lit
- (b) 75 lit
- (c) 60 lit
- (d) 50 lit
- (e) 55 lit

**Q54. A boat travels in upstream. If the speed of boat in upstream in decreased by 40% then it is equal to the speed of current and speed of boat in still water is given as 240 km/hr, then find upstream speed of boat? (In km/hr).**

- (a) 120
- (b) 180
- (c) 150
- (d) 210
- (e) 125

**Q55.** Pipe A and pipe B together can fill the tank in 12 minutes while pipe A, pipe B and pipe C together can fill the tank in 15 minutes and Pipe B and Pipe C together can fill the tank in 30 minutes. In how many minutes pipe A alone can fill the tank completely.

- (a) 20
- (b) 60
- (c) 40
- (d) 30
- (e) 50

**Q56.** The average of four numbers is increased by 1 when a number is replaced by  $x$  and average of that four number is decreased by 1 when another number is replaced with  $x$ . What is the difference of the both numbers?

- (a) 6
- (b) 8
- (c) 16
- (d) 4
- (e) Cannot be determined

**Q57.** There are three numbers and the ratio of first to second number is 9:10, while the ratio of first to third number is 3:4. If average of all the three numbers is 62, then find difference of second and third number?

- (a) 8
- (b) 10
- (c) 12
- (d) 14
- (e) 16

**Q58.** 400 students took the All-India mock test, 60% of the boys and 80% of the girls cleared the cut off in this mock test. If the total percentage of students cleared the cut off of this mock test is 65%, then find how many girls appeared in this mock test?

- (a) 100
- (b) 120
- (c) 150
- (d) 300
- (e) 125

**Q59.** Priya can do  $\frac{1}{2}$  of the work in 10 days while Pooja can do  $\frac{1}{3}$  of the work in 10 days. How long it will take for both of them to finish the work if Priya started the work and they work on alternative days.

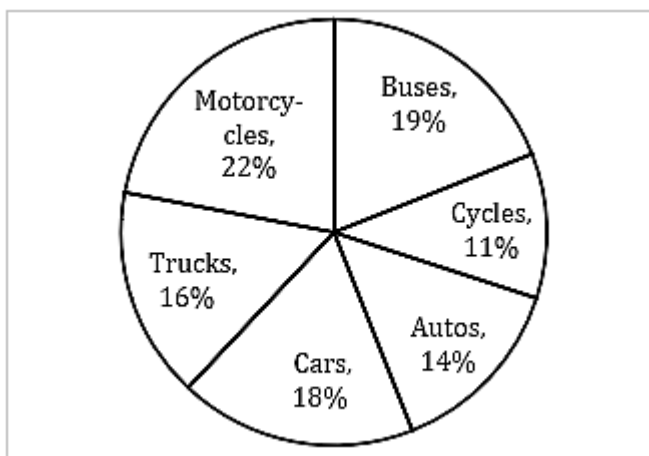
- (a) 15 days
- (b) 18 days
- (c) 21 days
- (d) 24 days
- (e) 27 days

**Q60. Rajdhani express is running at the speed of 90 km/hr and crosses a platform in 36 seconds. Another train which is 240 m smaller than the Rajdhani express is travelling at a speed of 54km/hr. In how much time second train can cross the same platform?**

- (a) 44 seconds
- (b) 42 seconds
- (c) 32 seconds
- (d) 36 seconds
- (e) 40 seconds

**Directions (61-65): The following pie-chart shows the percentage break-up of accidents due to various vehicles in a city.**

Total number of accidents = 24,000 (including both male and females)



**Q61. Find the average number of accidents that are due to motorcycles, Buses and cars?**

- (a) 4,620
- (b) 4,820
- (c) 4,720
- (d) 4,520
- (e) 4,500

**Q62. Out of the total number of accidents caused by trucks and autos together, the ratio of Death to Injuries is 13 : 11. Then find the number of injuries caused by these two vehicles.**

- (a) 3,300
- (b) 3,900
- (c) 4,400
- (d) 3,410
- (e) 3,850

**Q63. If in total number of accidents  $62\frac{1}{2}\%$  are male. Male accidents due to cars and cycles is 40% of total male accidents, then find the number of female accidents due to cars and cycles together?**

- (a) 720
- (b) 900
- (c) 600
- (d) 960
- (e) 840

**Q64. Find the difference of the central angle corresponding to the number of accidents due to motorcycles and autos together and Trucks and cycles together.**

- (a)  $35^\circ$
- (b)  $33.4^\circ$
- (c)  $32.4^\circ$
- (d)  $35.4^\circ$
- (e)  $36^\circ$

**Q65. Out of total accidents, 48% are resulted into spot deaths, which are only  $6\frac{1}{4}\%$  of the total population of city. Then, find the number of female population, if the ratio of male to female is 13 : 11 in the city.**

- (a) 84,480
- (b) 82,480
- (c) 86,480
- (d) 86,640
- (e) 84,680

**Directions (66-70): Study the following information carefully and answer the given questions:**

Seven professors are conducting a test of different subjects in the week starting from Monday to Sunday. The different subjects are Physics, Biology, Chemistry, English, Math, Hindi and Computer, but not necessarily in the same order.

E conducts test of Biology and not more than two professors conduct test after E. L conducts test on Wednesday but not of Hindi. J conducts test of Chemistry but before the one who conducts test of Physics. G conducts test just before K who conducts test of Math. H conducts test of Computer after E. G does not conduct test on Thursday. F neither conducts test on Friday nor Sunday.

**Q66. Which of the following subject test conducted by G?**

- (a) English
- (b) Hindi
- (c) Physics
- (d) Math
- (e) None of these

**Q67. Who among the following conducts test of Physics?**

- (a) G
- (b) L
- (c) E
- (d) F
- (e) None of these

**Q68. On which of the following day K conducts test?**

- (a) Thursday
- (b) Saturday
- (c) Tuesday
- (d) Sunday
- (e) None of these

**Q69. Which of the following subject's test is on Thursday?**

- (a) English
- (b) Math
- (c) Physics
- (d) Chemistry
- (e) None of these

**Q70. Which of the following combination is true?**

- (a) G - Tuesday
- (b) Computer - Saturday
- (c) E - Saturday
- (d) G - Physics
- (e) English - Wednesday

**Directions (71-74): In each of the questions below. Some statements are given followed by conclusions/group of conclusions. You have to assume all the statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given conclusions logically follow from the information given in the statements:**

**Q71. Statements:**

- Only a few wall is floor.
- Some door is fan.
- No floor is door.

**Conclusions:**

- I. Some fan is not floor.
  - II. All wall being door is a possibility.
- (a) If only conclusion I follows.
  - (b) If only conclusion II follows.
  - (c) If either conclusion I or II follows.
  - (d) If neither conclusion I nor II follows.
  - (e) If both conclusions I and II follow.

**Q72. Statements:**

- All jeep are car.
- Some car is not truck.
- Only a few van is truck.

**Conclusions:**

- I. All jeep being truck is a possibility.
  - II. All van being truck is a possibility.
- (a) If only conclusion I follows.
  - (b) If only conclusion II follows.
  - (c) If either conclusion I or II follows.
  - (d) If neither conclusion I nor II follows.
  - (e) If both conclusions I and II follow.



**Q73. Statements:**

Some Park is cabin.

Only cabin is coach.

No park is metro.

**Conclusions:**

I. Some coach being park is a possibility.

II. All cabin being metro is a possibility.

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow.

**Q74. Statements:**

Some new are not old.

Only a few old are same.

All same are again.

**Conclusions:**

I. Some again is not old.

II. All same being new is a possibility.

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow.

**Directions (75-79): Study the information carefully and answer the questions given below.**

Eight persons A, B, C, D, L, Q, R and S are living in a four-story building such as ground floor is numbered as 1, above it is floor 2 and so on till the topmost floor is numbered as 4. Each of the floors has 2 flats in it viz. flat-1 and flat-2. Flat-1 of floor-2 is immediately above flat-1 of floor-1 and immediately below flat-1 of floor-3 and so on. In the same way, flat-2 of floor-2 is immediately above flat-2 of floor-1 and immediately below flat-2 of floor-3 and so on. Flat-1 is in the west of flat-2.

Two floors gap between L and D but they do not live in the same flat. S lives on an odd-numbered floor and to the west of B's flat. One floor gap between the floors of L and C and they live in the same flat. A is living above Q's floor in the same flat. L lives on an even-numbered floor. R is living in an even-numbered flat.

**Q75. Who among the following lives in flat-1 on the 3<sup>rd</sup> floor?**

(a) R

(b) S

(c) D

(d) Q

(e) None of these

**Q76. Who among the following is/are living with C in the same numbered flat?**

- (a) L
- (b) S
- (c) Both L and B
- (d) B
- (e) None of these

**Q77. Which of the following combination is/are true?**

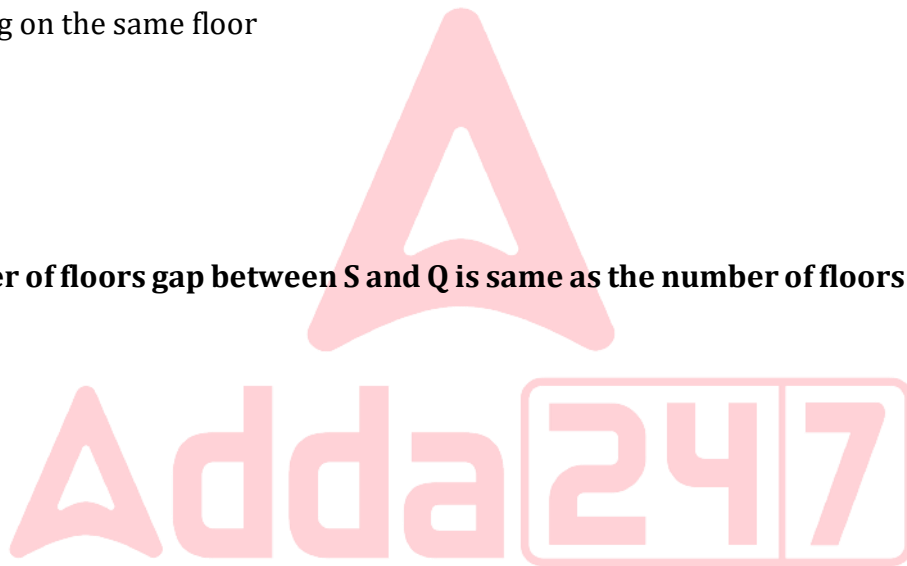
- (a) A- Flat1
- (b) S- Floor 3
- (c) All are true
- (d) R- Floor 1
- (e) B-Flat 2

**Q78. How many floors are there between R and S?**

- (a) Both are living on the same floor
- (b) None
- (c) Two
- (d) One
- (e) None of these

**Q79. The number of floors gap between S and Q is same as the number of floors gap between \_\_\_\_ and \_\_\_\_.**

- (a) Q-A
- (b) L-R
- (c) B-C
- (d) S-R
- (e) None of these



**Directions (80-82): Study the following information carefully and answer the questions given below:**

In a certain code language:

“We getting late” is coded as “blue yellow white”

“You should awake late” is coded as “black pink white marron”

“We should win prize” is coded as “blue marron magenta orange”

“Getting late win” is coded as “yellow white magenta”

**Q80. What is the code for “should” in the given code language?**

- (a) marron
- (b) pink
- (c) white
- (d) black
- (e) None of these

**Q81. What is the code for “prize” in the given code language?**

- (a) blue
- (b) magenta
- (c) orange
- (d) marron
- (e) None of these

**Q82. What is the code for “you” in the given code language?**

- (a) black
- (b) pink
- (c) marron
- (d) white
- (e) Either black or pink

**Directions (83-87): Study the following information carefully and answer the questions given below:**

Twelve persons are sitting in two parallel rows containing six persons in each row in such a way that there is an equal distance between adjacent persons. In the first row, D, F, H, L, M and O are seated and all of them are facing south. In the second row, P, Q, R, V, W and Z are seated and all of them are facing north. Therefore, in the given seating arrangement, each member seated in a row faces another member of the other row.

There are 2 persons sit between L and D and one of them sits at one of the extreme ends of the row. Q faces to the L. F faces to R and sits at one of the extreme ends. There are more than one person sits between Q and R. W sits 2<sup>nd</sup> to the left of Z and both are not facing D. The number of persons sit between Q and Z is same as the number of persons sit between R and V who does not sit near to Z. M does not sit near to D and F. O does not sit 2<sup>nd</sup> from any of the extreme end.

**Q83. Who among the following faces to H?**

- (a) V
- (b) W
- (c) Z
- (d) P
- (e) None of these

**Q84. How many persons sit between O and F?**

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

**Q85. Four of the following five are alike in a certain way and hence they form a group. Which one of the following does not belong to that group?**

- (a) Q
- (b) D
- (c) M
- (d) V
- (e) P

**Q86. Who among the following is an immediate neighbour of O?**

- (a) M
- (b) L
- (c) D
- (d) Both M and D
- (e) None of these

**Q87. What is the position of M with respect to H?**

- (a) 3<sup>rd</sup> to the left
- (b) 3<sup>rd</sup> to the right
- (c) 2<sup>nd</sup> to the left
- (d) 2<sup>nd</sup> to the right
- (e) Immediate to the left

**Directions (88-90): Study the following information and answer the questions given below:**

Dheeraj walks 8m towards west from point P to reach point Q. He takes a left turn from point Q and walks 10m to reach point R. He takes a right turn from point R and walks 12m to reach point S. He takes another right turn from point S and walks 6m to reach point T. He takes a left turn from point T and walks 8m to reach his home.

**Q88. In which direction is point T with respect to point to Q?**

- (a) North
- (b) South
- (c) South-east
- (d) South-west
- (e) North-east

**Q89. What is the shortest distance between point S and Dheeraj's home?**

- (a) 22m
- (b) 10m
- (c) 12m
- (d) 26m
- (e) None of these

**Q90. What is the total distance travelled by Dheeraj 3m east from Point S to Point P?**

- (a) 27m
- (b) 30m
- (c) 24m
- (d) 21m
- (e) 36m

**Directions (91-93):** In these questions, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer

**Q91.**

**Statement:**

$$P < Q = G < D \leq E < F > M$$

**Conclusion:**

I.  $M \geq Q$

II.  $M < G$

- (a) if only conclusion II is true.
- (b) if only conclusion I is true.
- (c) if neither conclusion I nor II is true.
- (d) if either conclusion I or II is true.
- (e) if both conclusions I and II are true.

**Q92.**

**Statement:**

$$M \geq K > A > S = H > D > B$$

**Conclusion:**

I.  $A > B$

II.  $K < D$

- (a) if both conclusion I and II are true.
- (b) if only conclusion I is true.
- (c) if neither conclusion I nor II is true.
- (d) if either conclusion I or II is true.
- (e) if only conclusion II is true.

**Q93.**

**Statement:**

$$A \geq K; N < T; M \geq N; K \geq T$$

**Conclusion:**

I.  $K \geq N$

II.  $A > M$

- (a) if only conclusion II is true.
- (b) if either conclusion I or II is true.
- (c) if neither conclusion I nor II is true.
- (d) if only conclusion I is true.
- (e) if both conclusions I and II are true.

**Directions (94-96):** Study the following information to answer the given questions:

There are some persons are sitting in a row such that all are facing towards the north direction. Three persons sit between Q and S. R sits fifth right of S. U sits third from the right end of the row. T sits exactly between S and U. Only four persons sit to the left of Q. Number of persons sit right of R is two more than the number of persons sit left of P. Not more than two persons sit between U and T who does not sit left of Q.

**Q94. Who among the following sits second to the right of P?**

- (a) R
- (b) T
- (c) Unknown person
- (d) S
- (e) None of these

**Q95. How many persons sit between Q and T?**

- (a) Four
- (b) Six
- (c) Seven
- (d) Five
- (e) None of these

**Q96. What the position of R with respect to T?**

- (a) Third to the left
- (b) Second to the left
- (c) Immediate right
- (d) Second to the right
- (e) None of these

**Directions (97-100): Study the following series of five three-digit numbers and answer the questions.**

**593 723 437 562 628**

**Q97. If all the numbers are arranged in ascending order, then which number will come in the middle of the series?**

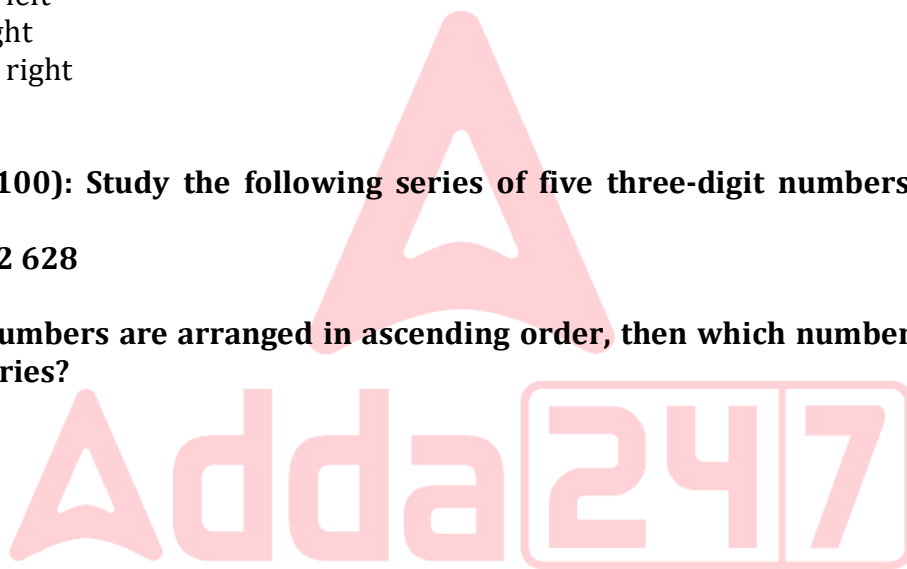
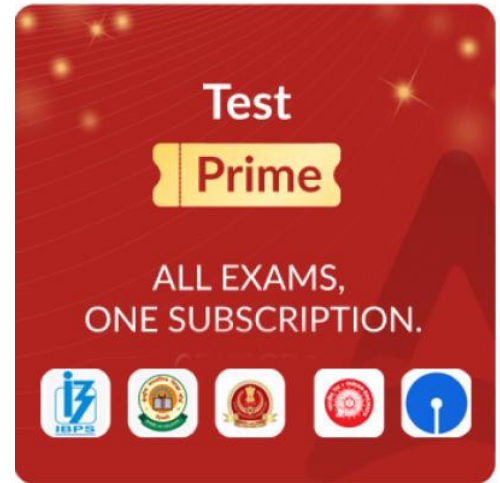
- (a) 628
- (b) 593
- (c) 723
- (d) 562
- (e) None of these

**Q98. If all the digits are arranged in descending order within the number, then which number will be the lowest number?**

- (a) 593
- (b) 437
- (c) 562
- (d) 628
- (e) None of these

**Q99. If in each number first and second digit are added and then subtract third digit from the resultant, after performing the operation how many numbers will be greater than 10?**

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



**Q100. If the third digit of the 2<sup>nd</sup> highest number is divided by the second digit of the highest number, then what will be the resultant?**

- (a) 4
- (b) 3
- (c) 2
- (d) 5
- (e) None of these

## Solutions

**S1. Ans.(c)**

**Sol.** Evidence in support of the given answer can be found in the first and second paragraph of the given passage in which it is stated '*discipline is a set of rules & regulations that remind us of the proper code of behavior*' and '*Discipline is self-improvement practice.*' From the given statements both (a) and (b) options can be inferred clearly. So, the correct answer choice is option (c)

**S2. Ans.(b)**

**Sol.** Consistently means in every case or on every occasion; invariably. So, from the given options, 'continuously' is the synonym of the given word. Hence, the correct answer choice is option (b).

**S3. Ans.(b)**

**Sol.** Evidence in support of the given answer can be found in the following statement '*Its purpose is to guide/redirect the students in school life in the right direction so that they grow up to become socially, scientifically and morally educated.*' From the given statement, option (b) can be inferred clearly and hence the correct answer choice.

**S4. Ans.(d)**

**Sol.** Evidence in support of the given argument can be found in the following statement in which it is stated '*But discipline aligns us to keep going, keep working, keep dreaming until it is not 100%. That's the way of success.*' From the given statement both (i) and (ii) can be inferred clearly. So, the correct answer choice is option (d).

**S5. Ans.(b)**

**Sol.** Refer the following statement '*Its purpose is to connect two water sources and provide nourishment to villages so that crops can grow. Likewise, there is a purpose of building a school.*' From the given statement it can be clearly inferred that the author is comparing the schools with the canals in order to highlight the role played by the schools. So, the correct answer choice is option (b).

**S6. Ans.(c)**

**Sol.** Regulate means control (something, especially a business activity) by means of rules and regulations. So, from the given option's 'liberty' is opposite in meaning to the given words. Hence, the correct answer choice is option (c).

**S7. Ans.(a)**

**Sol.** Evidence in support of the given answer can be found in the following statement '*Students need constant guidance and supervision from his teachers otherwise, he can go towards the wrong path.*' From the given statement, option (a) can be inferred clearly and hence the correct answer choice.

**S8. Ans.(e)**

**Sol.** The correct sequence is **FBCAED**

**F** is the 1<sup>st</sup> statement because it introduces the topic of discussion which is the impact of financial globalization on 'migrant capital'

**B** is the 2<sup>nd</sup> statement. As the use of 'while' indicates 'contrast', here also we can see this (in relation to 1<sup>st</sup> statement) as the life is easy for migrant capital but we can't say the same for migrant workers.

The combination **C-A** then forms the next two statements as it elaborates how the power is concentrated with wealthy investors and how it is not in favour of workers.

**E-D** then forms the last two sentences as **E** specifies the impact on one such component due to shift in balance and **D** then concludes by stating the steps that need to be taken.

**S9. Ans.(a)**

**Sol.** The correct sequence is **FBCAED**

**F** is the 1<sup>st</sup> statement because it introduces the topic of discussion which is the impact of financial globalization on 'migrant capital'

**B** is the 2<sup>nd</sup> statement. As the use of 'while' indicates 'contrast', here also we can see this (in relation to 1<sup>st</sup> statement) as the life is easy for migrant capital but we can't say the same for migrant workers.

The combination **C-A** then forms the next two statements as it elaborates how the power is concentrated with wealthy investors and how it is not in favour of workers.

**E-D** then forms the last two sentences as **E** specifies the impact on one such component due to shift in balance and **D** then concludes by stating the steps that need to be taken.

**S10. Ans.(e)**

**Sol.** The correct sequence is **FBCAED**

**F** is the 1<sup>st</sup> statement because it introduces the topic of discussion which is the impact of financial globalization on 'migrant capital'

**B** is the 2<sup>nd</sup> statement. As the use of 'while' indicates 'contrast', here also we can see this (in relation to 1<sup>st</sup> statement) as the life is easy for migrant capital but we can't say the same for migrant workers.

The combination **C-A** then forms the next two statements as it elaborates how the power is concentrated with wealthy investors and how it is not in favour of workers.

**E-D** then forms the last two sentences as **E** specifies the impact on one such component due to shift in balance and **D** then concludes by stating the steps that need to be taken.

**S11. Ans.(d)**

**Sol.** The correct sequence is **FBCAED**

**F** is the 1<sup>st</sup> statement because it introduces the topic of discussion which is the impact of financial globalization on 'migrant capital'

**B** is the 2<sup>nd</sup> statement. As the use of 'while' indicates 'contrast', here also we can see this (in relation to 1<sup>st</sup> statement) as the life is easy for migrant capital but we can't say the same for migrant workers.

The combination **C-A** then forms the next two statements as it elaborates how the power is concentrated with wealthy investors and how it is not in favour of workers.

**E-D** then forms the last two sentences as **E** specifies the impact on one such component due to shift in balance and **D** then concludes by stating the steps that need to be taken.



**S12. Ans.(b)**

**Sol.** The correct sequence is **FBCAED**

**F** is the 1<sup>st</sup> statement because it introduces the topic of discussion which is the impact of financial globalization on 'migrant capital'

**B** is the 2<sup>nd</sup> statement. As the use of 'while' indicates 'contrast', here also we can see this (in relation to 1<sup>st</sup> statement) as the life is easy for migrant capital but we can't say the same for migrant workers.

The combination **C-A** then forms the next two statements as it elaborates how the power is concentrated with wealthy investors and how it is not in favour of workers.

**E-D** then forms the last two sentences as **E** specifies the impact on one such component due to shift in balance and **D** then concludes by stating the steps that need to be taken.

**S13. Ans.(c)**

**Sol.** From the given sentence combinations, only C-F can be connected to form a meaningful sentence. The sentence thus formed is '*Flipkart announced that it had suspended its services, while rival Amazon India halted orders for non-essential products.*' So, the correct answer choice is option (c).

**S14. Ans.(a)**

**Sol.** From the given sentence combinations, only A-E can be connected to form a meaningful sentence. The sentence thus formed is 'The lockdown in India's bread basket of Punjab has put its rural economy into an uncertain and desperate situation.' So, the correct answer choice is option (a).

**S15. Ans.(a)**

**Sol.** Only (I) is correct.

Just as.....so (also, too) used for showing that there is a connection between two situations or actions. Although and though both mean 'in spite of something'.

"Just as politicians have used banks to further their political interests, so also will corporate houses be tempted to use banks set up by them to enhance their clout."

**S16. Ans.(c)**

**Sol.** Only (III) is correct.

"The Internal Working Group believes that before corporate houses are allowed to enter banking, the RBI must be equipped with a legal framework"

**S17. Ans.(d)**

**Sol.** Both (I) and (II) are correct

Here, Since- because; as:

Provided that- if, or only if:

"Provided that none of the entries were flagged as requiring attention, the system will permit their transfer to the Main Database."

"Since none of the entries were flagged as requiring attention, the system will permit their transfer to the Main Database."

**S18. Ans.(b)**

**Sol.** 'sad' should be used in place of 'sadly'. Since, an adjective (here, sad) is used with verbs of sensation.

**S19. Ans.(b)**

**Sol.** We use the modal verb in the main clause, not in the conditional clause.  
If a doctor **reads** the document, we will see if we've missed anything important.

**S20. Ans.(e)**

**Sol.** There is no error in the given statement.

**S21. Ans.(a)**

**Sol.** Replace 'has' with '**have**' because "side-effects" is not singular.

**S22. Ans.(b)**

**Sol.** Replace 'more sweetly' with 'sweeter' because 'taste' is an adverb of sensation and will take adjective'.

**S23. Ans.(b)**

**Sol.** The correct rearrangement of the parts of statement will be "ACDB" which will make a grammatically correct and contextually meaningful statement. Hence, option (b) is the most suitable answer choice. The correct statement thus formed will be:  
"Ms Suu Kyi feels that she has no option but to cooperate with the military if Myanmar's democratization transition has to eventually succeed"

**S24. Ans.(c)**

**Sol.** The correct rearrangement of the parts of statement will be "CDBA" which will make a grammatically correct and contextually meaningful statement. Hence, option (c) is the most suitable answer choice. The correct statement thus formed will be:  
"Last but not the least the end of the Trump administration does not necessarily mean the end of economic sanctions and maximum pressure on Iran"

**S25. Ans.(a)**

**Sol.** The correct rearrangement of the parts of statement will be "BDCA" which will make a grammatically correct and contextually meaningful statement. Hence, option (a) is the most suitable answer choice. The correct statement thus formed will be:  
"Giving Nobel Prize to sitting Prime Ministers and Presidents is inherently risky and those recipients should not be held to the gold standard of a Mother Teresa or Malala Yousafzai"

**S26. Ans.(d)**

**Sol.** The correct pair of words for blanks is 'concerned, constituted'. All other pairs of words are grammatically and contextually incorrect.  
concerned means worried, troubled, or anxious.  
constitute means be (a part) of a whole.  
enhance means intensify, increase, or further improve the quality, value, or extent of.  
sought means attempt to find (something).  
permit means officially allow (someone) to do something.  
efficacy means the ability to produce a desired or intended result.  
outcomes means the way a thing turns out; a consequence.  
convalescent means recovering from an illness or medical treatment.  
immune means resistant to a particular infection or toxin  
quantity means the amount

**S27. Ans.(b)**

**Sol.** The correct pair of words for blanks is 'avoidable, patriarchal'. All other pairs of words are grammatically and contextually incorrect.

avoidable means able to be avoided or prevented.

patriarchal means relating to or denoting a system of society or government controlled by men

random means made, done, or happening without method or conscious decision.

journey means an act of travelling from one place to another.

evaluate means an act of travelling from one place to another.

regimen means a prescribed course of medical treatment, diet, or exercise for the promotion or restoration of health.

significantly means in a sufficiently great or important way as to be worthy of attention.

observe means notice or perceive (something) and register it as being significant.

review means a formal assessment of something with the intention of instituting change if necessary.

facilities means a place, amenity, or piece of equipment provided for a particular purpose.

**S28. Ans.(b)**

**Sol.** The correct pair of words for blanks is 'hazard, poses'. All other pairs of words are grammatically and contextually incorrect.

accelerate means begin to move more quickly.

resign means voluntarily leave a job or office.

experts means a person who is very knowledgeable about or skilful in a particular area.

excellence means the quality of being outstanding or extremely good.

immediate means occurring or done at once; instant.

relief means a feeling of reassurance and relaxation following release from anxiety or distress.

denied means state that one refuses to admit the truth or existence of.

convene means come or bring together for a meeting or activity; assemble.

**S29. Ans.(a)**

**Sol.** The correct pair of words for blanks is 'starting, showcase'. All other pairs of words are grammatically and contextually incorrect.

starting means begin or be reckoned from a particular point in time or space.

showcase means a glass case used for displaying articles in a shop or museum.

inclusion means the action or state of including or of being included within a group or structure.

misgivings means a feeling of doubt or apprehension about the outcome or consequences of something.

barrier means a fence or other obstacle that prevents movement or access.

publisher means a company or person that prepares and issues books, journals, or music for sale.

feature means a distinctive attribute or aspect of something.

assist means help (someone), typically by doing a share of the work.

regional means relating to or characteristic of a region.

unveil means show or announce publicly for the first time.

**S30. Ans.(b)**

**Sol.** The correct pair of words for blanks is 'hosting, edition'. All other pairs of words are grammatically and contextually incorrect.

hosting means act as host at (an event) or for (a television or radio programme)

edition means a particular form or version of a published text.

contemporary means belonging to or occurring in the present.  
discuss means talk about (something) with a person or people.  
craft means an activity involving skill in making things by hand.  
spotlight means a lamp projecting a narrow, intense beam of light directly on to a place or person, especially a performer on stage.  
consist means be composed or made up of.  
offing means the more distant part of the sea in view.  
acclaimed means publicly praised; celebrated.  
minority means the smaller number or part, especially a number or part representing less than half of the whole.

### S31. Ans.(d)

Sol.

$$\begin{aligned}\text{I. } x^2 - 11x + 30 &= 0 \\ x^2 - 5x - 6x + 30 &= 0 \\ x(x - 5) - 6(x - 5) &= 0 \\ (x - 5)(x - 6) &= 0 \\ x &= 5, 6\end{aligned}$$

$$\begin{aligned}\text{II. } y^2 - 9y + 20 &= 0 \\ y^2 - 4y - 5y + 20 &= 0 \\ y(y - 4) - 5(y - 4) &= 0 \\ (y - 5)(y - 4) &= 0 \\ y &= 4, 5 \\ \text{So, } x &\geq y.\end{aligned}$$

### S32. Ans.(e)

Sol.

$$\begin{aligned}\text{I. } x^2 - x - 6 &= 0 \\ x^2 + 2x - 3x - 6 &= 0 \\ x(x + 2) - 3(x + 2) &= 0 \\ (x + 2)(x - 3) &= 0 \\ x &= -2, 3\end{aligned}$$

$$\begin{aligned}\text{II. } y^2 - 8y + 12 &= 0 \\ y^2 - 6y - 2y + 12 &= 0 \\ y(y - 6) - 2(y - 6) &= 0 \\ (y - 6)(y - 2) &= 0 \\ y &= 2, 6 \\ \text{So, no relation.}\end{aligned}$$

### S33. Ans.(e)

Sol.

$$\begin{aligned}\text{I. } x^2 &= 196 \\ x &= \pm 14 \\ \text{II. } y^3 &= 1728 \\ y &= 12 \\ \text{So, no relation.}\end{aligned}$$

**S34. Ans.(d)**

**Sol.**

**I.**  $x^3 = 729$

$$x = \sqrt[3]{729}$$

$$x = 9$$

**II.**  $y^2 - 15y + 54 = 0$

$$y^2 - 6y - 9y + 54 = 0$$

$$y(y - 6) - 9(y - 6) = 0$$

$$(y - 6)(y - 9) = 0$$

$$y = 9, 6$$

So,  $x \geq y$ .

**S35. Ans.(a)**

**Sol.**

**I.**  $x^2 - 15x + 56 = 0$

$$x^2 - 7x - 8x + 56 = 0$$

$$x(x - 7) - 8(x - 7) = 0$$

$$(x - 7)(x - 8) = 0$$

$$x = 7, 8$$

**II.**  $y^2 - 8y + 15 = 0$

$$y^2 - 5y - 3y + 15 = 0$$

$$y(y - 5) - 3(y - 5) = 0$$

$$(y - 5)(y - 3) = 0$$

$$y = 5, 3$$

So,  $x > y$ .

**S36. Ans.(e)**

**Sol.**

Total rural employees in A =  $\frac{50}{100} \times 500 = 250$

Required percentage =  $\frac{250}{750} \times 100 = 33\frac{1}{3}\%$

**S37. Ans.(c)**

**Sol.**

Required average =  $\frac{600+450+800}{3} = \frac{1850}{3} = 616.67$

**S38. Ans.(b)**

**Sol.**

Required difference =  $\frac{500+750}{2} - \frac{600+450}{2} = 100$

**S39. Ans.(d)**

**Sol.**

Total number rural employees in D and E

$$= \frac{7}{15} \times 450 + \frac{3}{10} \times 800 = 210 + 240 = 450$$

S40. Ans.(a)

Sol.

$$\begin{aligned} \text{Total number of employees in company F} \\ = \frac{60}{100} \times 600 + \frac{70}{100} \times 450 = 360 + 315 = 675 \end{aligned}$$

S41. Ans.(a)

Sol.

$$\frac{72}{100} \times (? + 225) = 196 + 200$$

$$? + 225 = \frac{396 \times 100}{72}$$

$$? = 550 - 225$$

$$? = 325$$

S42. Ans.(b)

Sol.

$$\frac{16}{100} \times ? + \frac{64}{100} \times 350 = \frac{65}{100} \times 400$$

$$\frac{16}{100} \times ? + 224 = 260$$

$$\frac{16}{100} \times ? = 36$$

$$? = 36 \times \frac{100}{16}$$

$$? = 225$$

S43. Ans.(e)

Sol.

$$\frac{128}{?} + 289 = \frac{20}{100} \times 1525$$

$$\frac{128}{?} = 305 - 289$$

$$\frac{128}{?} = 16$$

$$? = 8$$

S44. Ans.(e)

Sol.

$$?^3 + 576 = 625 + \frac{30}{100} \times 50$$

$$?^3 = 640 - 576$$

$$?^3 = 64$$

$$? = 4$$

S45. Ans.(b)

Sol.

$$\frac{?}{100} \times 420 + 144 = \frac{24}{100} \times 1650$$

$$\frac{?}{100} \times 420 = 396 - 144$$


$$? = 252 \times \frac{100}{420}$$

$$? = 60$$



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**S46. Ans.(e)**

**Sol.**

$$25\% \text{ of } 1460 - ?\% \text{ of } 1120 \approx 29$$

$$\frac{25}{100} \times 1460 - \frac{?}{100} \times 1120 \approx 29$$

$$\frac{112}{10} \times ? \approx 365 - 29$$

$$? \approx \frac{3360}{112}$$

$$? \approx 30$$

**S47. Ans.(a)**

**Sol.**

Side of square

$$= \frac{\text{Diagonal}}{\sqrt{2}} = \frac{9\sqrt{2}}{\sqrt{2}}$$

$$= 9 \text{ meters}$$

$$\therefore \text{height of triangle} = 4 \times 9 = 36 \text{ meter}$$

Again, side of second square

$$= \sqrt{784} = 28 \text{ metre}$$

$$\therefore \text{base of triangle} = 28 \text{ meter}$$

$\therefore$  Area of triangle

$$= \frac{1}{2} \times \text{Base} \times \text{height}$$

$$= \frac{1}{2} \times 28 \times 36 = 504 \text{ sq. metre.}$$

**S48. Ans.(b)**

**Sol.**

Let the initial cost price be  $100x$

$$\text{Then selling price} = 100x \times \frac{130}{100} = 130x$$

$$\text{New cost price} = 100x \times \frac{(100-20)}{100}$$

$$= 80x$$

$$\text{New selling price} = 130x - 60$$

ATQ,

$$(130x - 60) - 80x = \frac{1}{4} \times 80x$$

$$50x - 60 = 20x$$

$$30x = 60$$

$$x = 2$$

Therefore, initial cost price =  $2 \times 100 = \text{Rs } 200$

$$\text{Required selling price} = 200 \times \left(1 + \frac{75}{100}\right)$$

$$= 200 \times \frac{175}{100} = \text{Rs } 350$$

**S49. Ans.(c)**

**Sol.**

Let the initial investment of P =  $4x$

So, initial investment of Q =  $4x \times \frac{125}{100} = 5x$

Ratio of profit sharing of P to Q

$$= [(4x \times 6) + (4x + 3000) \times 6] : [(5x \times 6) + (5x + 1000) \times 6]$$

$$= (48x + 18000) : (60x + 6000)$$

ATQ,

$$\frac{48x + 18000}{60x + 6000} = \frac{27}{31}$$

$$\Rightarrow x = 3000$$

Initial investment of P = Rs. 12000

**S50. Ans.(c)**

**Sol.**

Let the sum be Rs.  $x$

equivalent rate of interest at 15% p. a.

CI when compounded annually for two years

$$= 15 + 15 + \frac{15 \times 15}{100} = 32.25\%$$

ATQ,

$$x \times \frac{32.25}{100} - x \times \frac{30}{100} = 270$$

$$x = \text{Rs. } 12000$$

$$\text{Required interest} = \frac{12000 \times 18 \times 1.5}{100} = \text{Rs. } 3240$$

**S51. Ans.(d)**

**Sol.**

Let present age of Shiva be ' $2x$ ' years.

Then present age of Deepa =  $3x$  years

ATQ,

$$\frac{3x - 5}{2x + 10} = \frac{1}{2}$$

$$6x - 10 = 2x + 10$$

$$4x = 20$$

$$x = 5$$

$$\text{Required age} = (3x + 2x) + 10$$

$$= 35 \text{ years}$$

**S52. Ans.(c)**

**Sol.**

Let radius of cylinder =  $r$

And height of cylinder =  $h$

Total surface area of cylinder =  $2\pi r(r + h)$

Curved surface area of cylinder =  $2\pi rh$

ATQ,

$$\frac{2\pi r(r+h)}{2\pi rh} = \frac{4}{3}$$



$$\Rightarrow 3r+3h = 4h$$

$$\Rightarrow 3r = h$$

$$\begin{aligned} \text{Required \%} &= \frac{h-r}{h} \times 100 = \frac{3r-r}{3r} \times 100 \\ &= \frac{200}{3} \% = 66\frac{2}{3} \% \end{aligned}$$

**S53. Ans.(d)**

**Sol.**

Let the quantity of milk in the original mixture be  $3x$ .

And the quantity of water be  $2x$ .

ATQ,

$$\frac{3x+40}{2x} = \frac{2}{1}$$

$$\Rightarrow 4x = 3x + 40$$

$$\Rightarrow x = 40$$

Quantity of new mixture =  $5 \times 40 + 40 = 240$  lit.

$\therefore$  Required quantity of water =  $(240 - 90) \times \frac{1}{3} = 50$  lit.

**S54. Ans.(c)**

**Sol.**

Let speed of current be  $x$  km/hr.

ATQ,

$$(240-x) \times \frac{60}{100} = x$$

$$144 - 0.6x = x$$

$$1.6x = 144$$

$$x = 90$$

Speed in upstream =  $240 - 90 = 150$  km/hr

**S55. Ans.(d)**

**Sol.**

$$A + B = \frac{1}{12}$$

$$A + B + C = \frac{1}{15}$$

$$\Rightarrow C = \frac{1}{15} - \frac{1}{12} = \frac{4-5}{60} = \frac{-1}{60}$$

Pipe 'C' is an outlet pipe which can empty the tank in 60 minutes.

$$B + C = \frac{1}{30}$$

$$B = \frac{1}{30} + \frac{1}{60} = \frac{2+1}{60} = \frac{1}{20}$$

$$A + B = \frac{1}{12}$$

$$A = \frac{1}{12} - \frac{1}{20} = \frac{5-3}{60} = \frac{2}{60} = \frac{1}{30}$$

Pipe 'A' alone can fill the tank completely in 30 minutes

**S56. Ans.(b)**

**Sol.**

Let four numbers  $\rightarrow a, b, c, d$

Let initially it replaced 'a'

$$= \frac{x+b+c+d}{4} = \frac{a+b+c+d}{4} + 1 \dots(i)$$

Let then it replaced 'b'

$$= \frac{x+a+c+d}{4} + 1 = \frac{a+b+c+d}{4} \dots(ii)$$

Solving (i) and (ii)

$$b - a = 8$$

**S57. Ans.(c)**

**Sol.**

Let first and second number be  $9x$  and  $10x$  respectively

Then third number =  $\frac{9x}{3} \times 4 = 12x$

ATQ

$$\frac{9x+10x+12x}{3} = 62$$

$$x = 6$$

Required difference =  $2 \times 6 = 12$

**S58. Ans.(a)**

**Sol.**

Total number of students cleared the mock test =  $\frac{400 \times 65}{100} = 260$

Let number of girls =  $x$

And number of boys =  $(400 - x)$

Now, cut off cleared by girls =  $\frac{x \times 80}{100} = \frac{4x}{5}$

And cut off cleared by boys

$$\frac{(400-x) \times 60}{100} = \frac{1200-3x}{5}$$

Now,  $\frac{4x}{5} + \frac{1200-3x}{5} = 260$

$$\Rightarrow \frac{4x+1200-3x}{5} = 260$$

$$\Rightarrow x + 1200 = 1300$$

$$\Rightarrow x = 1300 - 1200 = 100$$

$$\therefore x = 100$$

Hence, one hundred girls appeared in the test.

**S59. Ans.(d)**

**Sol.**

Priya's one day work =  $\frac{1}{2 \times 10} = \frac{1}{20}$

Pooja's one day work =  $\frac{1}{3 \times 10} = \frac{1}{30}$

2-day work of Priya and Pooja

$$= \frac{1}{20} + \frac{1}{30} = \frac{3+2}{60} = \frac{5}{60}$$

= 12 days.

So, Pooja and Priya will take 24 days if they work alternatively.

**S60. Ans.(a)**

**Sol.**

Let the length of platform be  $x$  meter and the length of Rajdhani express be  $y$  m.

So,  $\frac{x+y}{36} = 90 \times \frac{5}{18} \Rightarrow x + y = 900$  ----- (i)

And, let in 't' sec second train can cross the platform

So,  $\frac{x+y-240}{t} = 54 \times \frac{5}{18}$

$$x + y = 15t + 240 \text{ ----- (ii)}$$

From (i) & (ii) -  
 $900 - 240 = 15t$   
 $660 = 15t$   
 $t = 44 \text{ sec}$

**S61. Ans.(c)**

**Sol.**

$$\text{Required average} = \frac{(22+19+18) \times 24000}{3 \times 100} = 4,720$$

**S62. Ans.(a)**

**Sol.**

Total number of accidents caused by trucks

and autos =  $\frac{30}{100} \times 24000 = 7200$

$$\text{Required number of injuries} = \frac{11}{24} \times 7200 = 3300$$

**S63. Ans.(d)**

**Sol.**

Number of accidents of male

$$= \frac{5}{8} \times 24000 = 15000$$

$$\text{Number of male accidents due to Car and Cycle} = 15000 \times \frac{40}{100} = 6000$$

$$\begin{aligned} \text{Number of female accidents due to car and cycle} &= 24000 \times \frac{29}{100} - 6000 \\ &= 6960 - 6000 \\ &= 960 \end{aligned}$$

**S64. Ans.(c)**

**Sol.**

$$\text{Required angle} = \frac{(36-27)}{100} \times 360 = 32.4^\circ$$

**S65. Ans.(a)**

**Sol.**

$$\text{Number of spot deaths} = \frac{48}{100} \times 24000 = 11,520$$

$$\text{Total population of city} = \frac{11520}{25} \times 4 \times 100 = 1,84,320$$

$$\text{Number of female populations} = \frac{184320 \times 11}{24} = 84,480$$

**S66. Ans.(b)**

**Sol.** L conducts test on Wednesday. E conducts test of Biology and not more than two Professors conduct test after E. H conducts test of a Computer after E. From these conditions, there are three possibilities-

	Case- 1		Case- 2		Case- 3	
Days	Professors	Subject	Professors	Subject	Professors	Subject
Monday						
Tuesday						
Wednesday	L		L		L	
Thursday						
Friday			E	Biology	E	Biology
Saturday	E	Biology	H	Computer		
Sunday	H	Computer			H	Computer

G conducts test just before K, who conducts test of Math. G does not conduct test on Thursday. J conducts test of Chemistry but before the one who conducts test of Physics. So new arrangement is-

	Case- 1		Case- 2		Case- 3	
Days	Professors	Subject	Professors	Subject	Professors	Subject
Monday	G		G		G	
Tuesday	K	Math	K	Math	K	Math
Wednesday	L		L		L	
Thursday	J	Chemistry	J	Chemistry	J	Chemistry
Friday		Physics	E	Biology	E	Biology
Saturday	E	Biology	H	Computer		Physics
Sunday	H	Computer		Physics	H	Computer

L does not conduct test of Hindi. So, he conducts test of English. F neither conducts test on Friday nor Sunday. So, F conducts test on Saturday. By this condition Case- 1 and Case- 2 are cancelled. So new arrangement will be-

Days	Professors	Subject
Monday	G	Hindi
Tuesday	K	Math
Wednesday	L	English
Thursday	J	Chemistry
Friday	E	Biology
Saturday	F	Physics
Sunday	H	Computer

**S67. Ans.(d)**

**Sol.** L conducts test on Wednesday. E conducts test of Biology and not more than two Professors conduct test after E. H conducts test of a Computer after E. From these conditions, there are three possibilities-

	Case- 1		Case- 2		Case- 3	
Days	Professors	Subject	Professors	Subject	Professors	Subject
Monday						
Tuesday						
Wednesday	L		L		L	
Thursday						
Friday			E	Biology	E	Biology
Saturday	E	Biology	H	Computer		
Sunday	H	Computer			H	Computer

G conducts test just before K, who conducts test of Math. G does not conduct test on Thursday. J conducts test of Chemistry but before the one who conducts test of Physics. So new arrangement is-

	Case- 1		Case- 2		Case- 3	
Days	Professors	Subject	Professors	Subject	Professors	Subject
Monday	G		G		G	
Tuesday	K	Math	K	Math	K	Math
Wednesday	L		L		L	
Thursday	J	Chemistry	J	Chemistry	J	Chemistry
Friday		Physics	E	Biology	E	Biology
Saturday	E	Biology	H	Computer		Physics
Sunday	H	Computer		Physics	H	Computer

L does not conduct test of Hindi. So, he conducts test of English. F neither conducts test on Friday nor Sunday. So, F conducts test on Saturday. By this condition Case- 1 and Case- 2 are cancelled. So new arrangement will be-

Days	Professors	Subject
Monday	G	Hindi
Tuesday	K	Math
Wednesday	L	English
Thursday	J	Chemistry
Friday	E	Biology
Saturday	F	Physics
Sunday	H	Computer

### S68. Ans.(c)

**Sol.** L conducts test on Wednesday. E conducts test of Biology and not more than two Professors conduct test after E. H conducts test of a Computer after E. From these conditions, there are three possibilities-

	Case- 1		Case- 2		Case- 3	
Days	Professors	Subject	Professors	Subject	Professors	Subject
Monday						
Tuesday						
Wednesday	L		L		L	
Thursday						
Friday			E	Biology	E	Biology
Saturday	E	Biology	H	Computer		
Sunday	H	Computer			H	Computer

G conducts test just before K, who conducts test of Math. G does not conduct test on Thursday. J conducts test of Chemistry but before the one who conducts test of Physics. So new arrangement is-

	Case- 1		Case- 2		Case- 3	
Days	Professors	Subject	Professors	Subject	Professors	Subject
Monday	G		G		G	
Tuesday	K	Math	K	Math	K	Math
Wednesday	L		L		L	
Thursday	J	Chemistry	J	Chemistry	J	Chemistry
Friday		Physics	E	Biology	E	Biology
Saturday	E	Biology	H	Computer		Physics
Sunday	H	Computer		Physics	H	Computer

L does not conduct test of Hindi. So, he conducts test of English. F neither conducts test on Friday nor Sunday. So, F conducts test on Saturday. By this condition Case- 1 and Case- 2 are cancelled. So new arrangement will be-

Days	Professors	Subject
Monday	G	Hindi
Tuesday	K	Math
Wednesday	L	English
Thursday	J	Chemistry
Friday	E	Biology
Saturday	F	Physics
Sunday	H	Computer

**S69. Ans.(d)**

**Sol.** L conducts test on Wednesday. E conducts test of Biology and not more than two Professors conduct test after E. H conducts test of a Computer after E. From these conditions, there are three possibilities-

	Case- 1		Case- 2		Case- 3	
Days	Professors	Subject	Professors	Subject	Professors	Subject
Monday						
Tuesday						
Wednesday	L		L		L	
Thursday						
Friday			E	Biology	E	Biology
Saturday	E	Biology	H	Computer		
Sunday	H	Computer			H	Computer

G conducts test just before K, who conducts test of Math. G does not conduct test on Thursday. J conducts test of Chemistry but before the one who conducts test of Physics. So new arrangement is-

	Case- 1		Case- 2		Case- 3	
Days	Professors	Subject	Professors	Subject	Professors	Subject
Monday	G		G		G	
Tuesday	K	Math	K	Math	K	Math
Wednesday	L		L		L	
Thursday	J	Chemistry	J	Chemistry	J	Chemistry
Friday		Physics	E	Biology	E	Biology
Saturday	E	Biology	H	Computer		Physics
Sunday	H	Computer		Physics	H	Computer

L does not conduct test of Hindi. So, he conducts test of English. F neither conducts test on Friday nor Sunday. So, F conducts test on Saturday. By this condition Case- 1 and Case- 2 are cancelled. So new arrangement will be-

Days	Professors	Subject
Monday	G	Hindi
Tuesday	K	Math
Wednesday	L	English
Thursday	J	Chemistry
Friday	E	Biology
Saturday	F	Physics
Sunday	H	Computer

**S70. Ans.(e)**

**Sol.** L conducts test on Wednesday. E conducts test of Biology and not more than two Professors conduct test after E. H conducts test of a Computer after E. From these conditions, there are three possibilities-

	Case- 1		Case- 2		Case- 3	
Days	Professors	Subject	Professors	Subject	Professors	Subject
Monday						
Tuesday						
Wednesday	L		L		L	
Thursday						
Friday			E	Biology	E	Biology
Saturday	E	Biology	H	Computer		
Sunday	H	Computer			H	Computer

G conducts test just before K, who conducts test of Math. G does not conduct test on Thursday. J conducts test of Chemistry but before the one who conducts test of Physics. So new arrangement is-

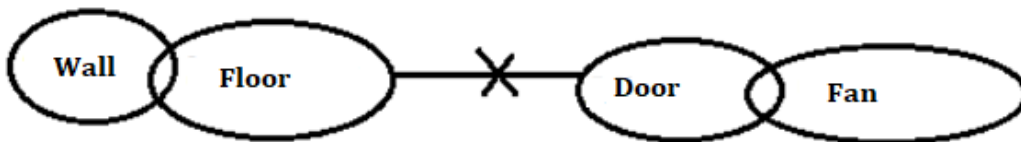
	Case- 1		Case- 2		Case- 3	
Days	Professors	Subject	Professors	Subject	Professors	Subject
Monday	G		G		G	
Tuesday	K	Math	K	Math	K	Math
Wednesday	L		L		L	
Thursday	J	Chemistry	J	Chemistry	J	Chemistry
Friday		Physics	E	Biology	E	Biology
Saturday	E	Biology	H	Computer		Physics
Sunday	H	Computer		Physics	H	Computer

L does not conduct test of Hindi. So, he conducts test of English. F neither conducts test on Friday nor Sunday. So, F conducts test on Saturday. By this condition Case- 1 and Case- 2 are cancelled. So new arrangement will be-

Days	Professors	Subject
Monday	G	Hindi
Tuesday	K	Math
Wednesday	L	English
Thursday	J	Chemistry
Friday	E	Biology
Saturday	F	Physics
Sunday	H	Computer

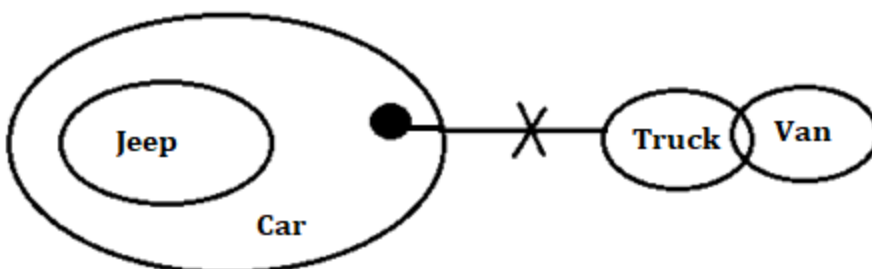
S71. Ans.(a)

Sol.



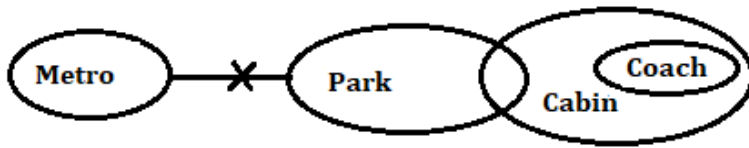
S72. Ans.(a)

Sol.



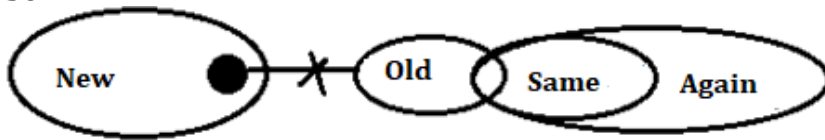
S73. Ans.(d)

Sol.



S74. Ans.(b)

Sol.



S75. Ans.(b)

Sol. From the given statements, two floors gap between L and D but not in the same flat. L lives on an even-numbered floor. S lives on an odd numbered floor to the west of B's flat. Here, we have two possible cases i.e., case1 and case2.

Floor	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	L			L
3	S	B	S	B
2				
1		D	D	

One floor gap between the floors of L and C in the same flat. A is living above Q's floor in the same flat. R is living in an even numbered flat. So, case1 gets eliminated here and the final arrangement is:

Floor	Flat 1	Flat 2
4	A	L
3	S	B
2	Q	C
1	D	R

S76. Ans.(c)

Sol. From the given statements, two floors gap between L and D but not in the same flat. L lives on an even-numbered floor. S lives on an odd numbered floor to the west of B's flat. Here, we have two possible cases i.e., case1 and case2.

Floor	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	L			L
3	S	B	S	B
2				
1		D	D	

One floor gap between the floors of L and C in the same flat. A is living above Q's floor in the same flat. R is living in an even numbered flat. So, case1 gets eliminated here and the final arrangement is:

Floor	Flat 1	Flat 2
4	A	L
3	S	B
2	Q	C
1	D	R



**S77. Ans.(c)**

**Sol.** From the given statements, two floors gap between L and D but not in the same flat. L lives on an even-numbered floor. S lives on an odd numbered floor to the west of B's flat. Here, we have two possible cases i.e., case1 and case2.

Floor	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	L			L
3	S	B	S	B
2				
1		D	D	

One floor gap between the floors of L and C in the same flat. A is living above Q's floor in the same flat. R is living in an even numbered flat. So, case1 gets eliminated here and the final arrangement is:

Floor	Flat 1	Flat 2
4	A	L
3	S	B
2	Q	C
1	D	R

**S78. Ans.(d)**

**Sol.** From the given statements, two floors gap between L and D but not in the same flat. L lives on an even-numbered floor. S lives on an odd numbered floor to the west of B's flat. Here, we have two possible cases i.e., case1 and case2.

Floor	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	L			L
3	S	B	S	B
2				
1		D	D	

One floor gap between the floors of L and C in the same flat. A is living above Q's floor in the same flat. R is living in an even numbered flat. So, case1 gets eliminated here and the final arrangement is:

Floor	Flat 1	Flat 2
4	A	L
3	S	B
2	Q	C
1	D	R

**S79. Ans.(c)**

**Sol.** From the given statements, two floors gap between L and D but not in the same flat. L lives on an even-numbered floor. S lives on an odd numbered floor to the west of B's flat. Here, we have two possible cases i.e., case1 and case2.

Floor	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	L			L
3	S	B	S	B
2				
1		D	D	

One floor gap between the floors of L and C in the same flat. A is living above Q's floor in the same flat. R is living in an even numbered flat. So, case1 gets eliminated here and the final arrangement is:

Floor	Flat 1	Flat 2
4	A	L
3	S	B
2	Q	C
1	D	R

**S80. Ans.(a)**

**Sol.**

Words	Codes
we	blue
getting	yellow
late	white
you/awake	black/pink
should	marron
win	magenta
prize	orange

**S81. Ans.(c)**

**Sol.**

Words	Codes
we	blue
getting	yellow
late	white
you/awake	black/pink
should	marron
win	magenta
prize	orange

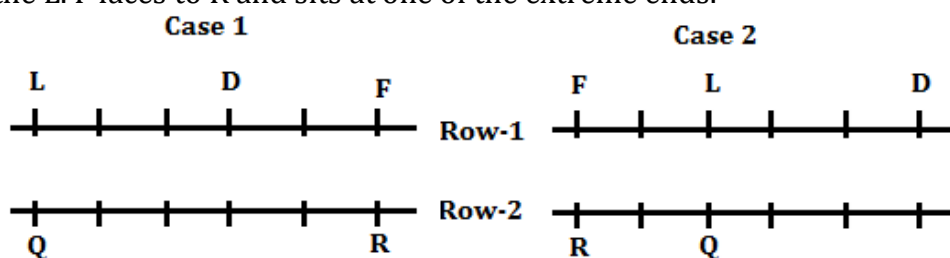
**S82. Ans.(e)**

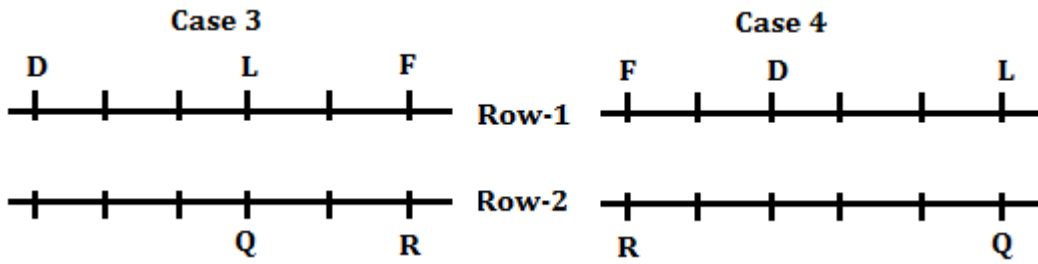
**Sol.**

Words	Codes
we	blue
getting	yellow
late	white
you/awake	black/pink
should	marron
win	magenta
prize	orange

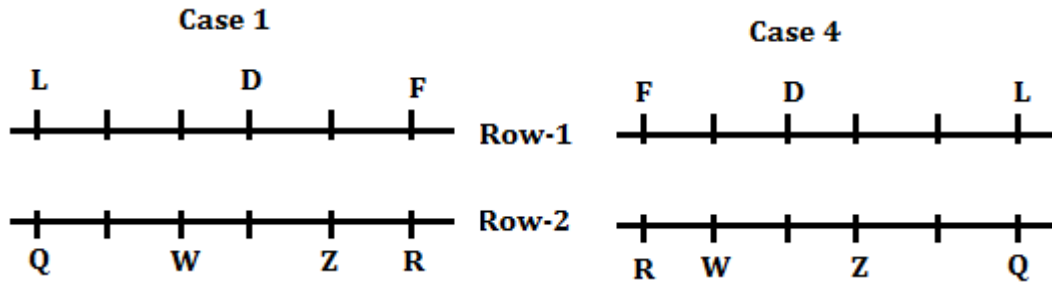
**S83. Ans.(c)**

**Sol.** From the given statements, there are 2 persons sit between L and D and one of them sits at one of the extreme ends of the row. Here we get 4 possibilities i.e., Case 1, Case 2, Case 3 and Case 4. Q faces to the L. F faces to R and sits at one of the extreme ends.

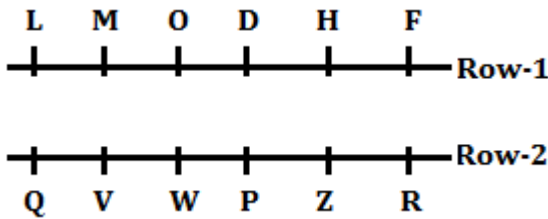




There are more than one person sits between Q and R. Here Case 2 and Case 3 are ruled out. W sits 2<sup>nd</sup> to the left of Z and both are not facing to D.

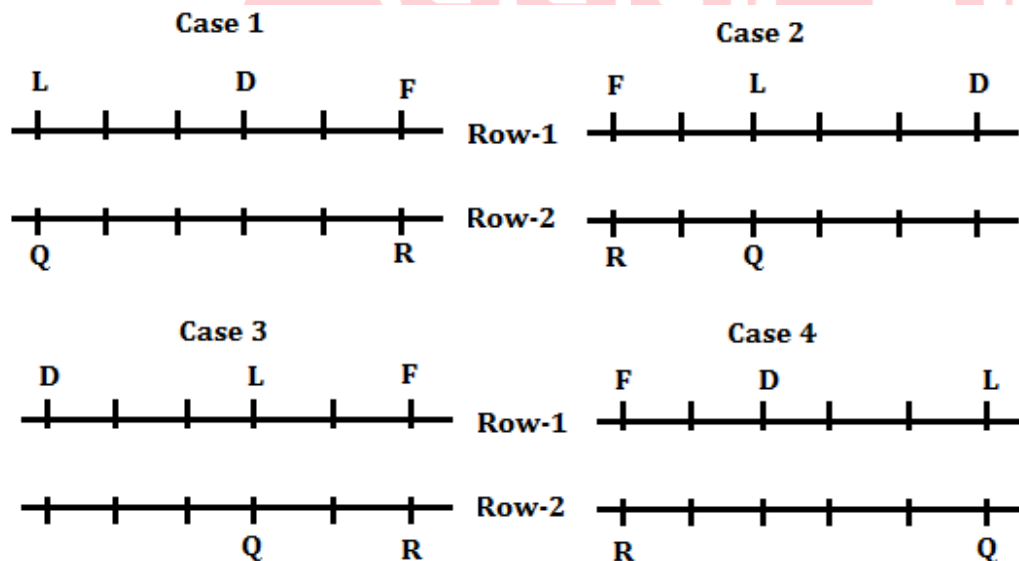


The number of persons sit between Q and Z is same as the number of persons sit between R and V, who does not sit near to Z. Here Case 4 is ruled out now. M does not sit near to D and F. O does not sit 2<sup>nd</sup> from any of the extreme end. So, the final arrangement is-



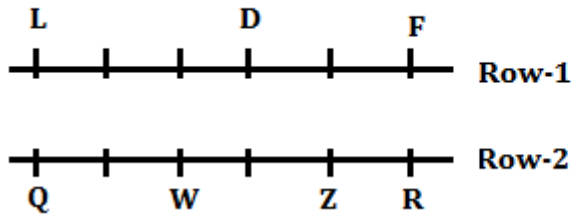
**S84. Ans.(d)**

**Sol.** From the given statements, there are 2 persons sit between L and D and one of them sits at one of the extreme ends of the row. Here we get 4 possibilities i.e., Case 1, Case 2, Case 3 and Case 4. Q faces to the L. F faces to R and sits at one of the extreme ends.

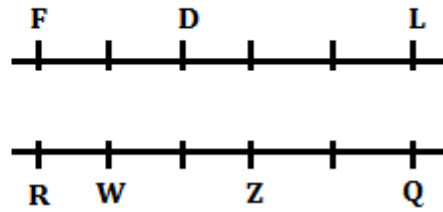


There are more than one person sits between Q and R. Here Case 2 and Case 3 are ruled out. W sits 2<sup>nd</sup> to the left of Z and both are not facing to D.

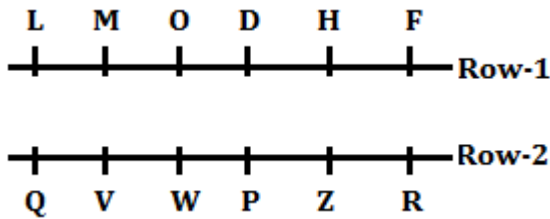
Case 1



Case 4



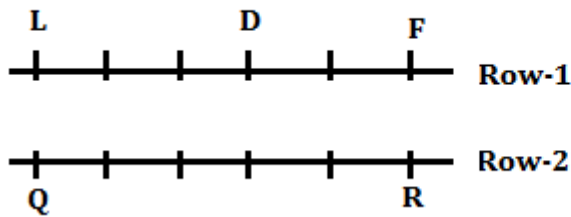
The number of persons sit between Q and Z is same as the number of persons sit between R and V, who does not sit near to Z. Here Case 4 is ruled out now. M does not sit near to D and F. O does not sit 2<sup>nd</sup> from any of the extreme end. So, the final arrangement is-



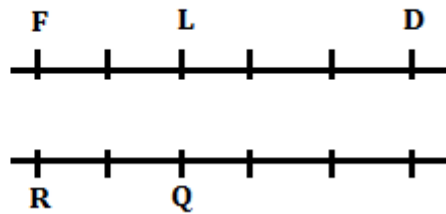
**S85. Ans.(a)**

**Sol.** From the given statements, there are 2 persons sit between L and D and one of them sits at one of the extreme ends of the row. Here we get 4 possibilities i.e., Case 1, Case 2, Case 3 and Case 4. Q faces to the L. F faces to R and sits at one of the extreme ends.

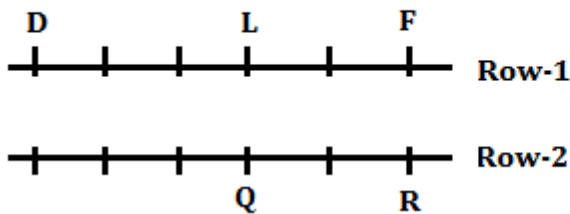
Case 1



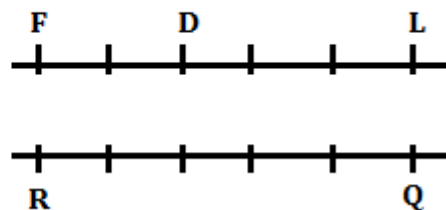
Case 2



Case 3

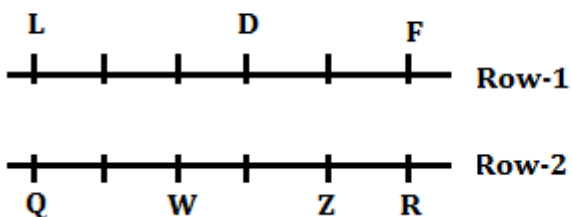


Case 4

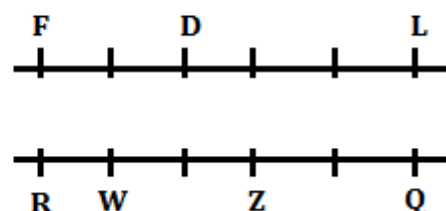


There are more than one person sits between Q and R. Here Case 2 and Case 3 are ruled out. W sits 2<sup>nd</sup> to the left of Z and both are not facing to D.

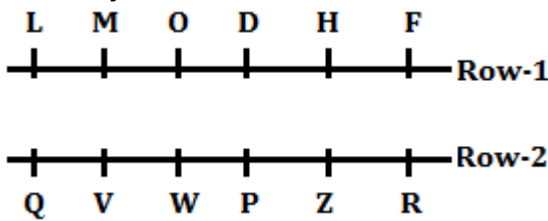
Case 1



Case 4

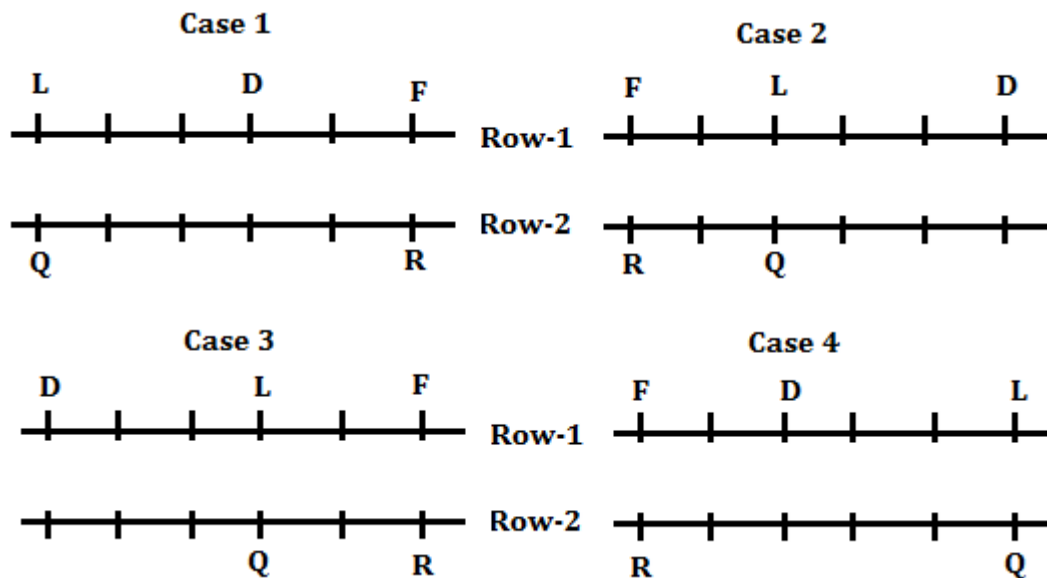


The number of persons sit between Q and Z is same as the number of persons sit between R and V, who does not sit near to Z. Here Case 4 is ruled out now. M does not sit near to D and F. O does not sit 2<sup>nd</sup> from any of the extreme end. So, the final arrangement is-

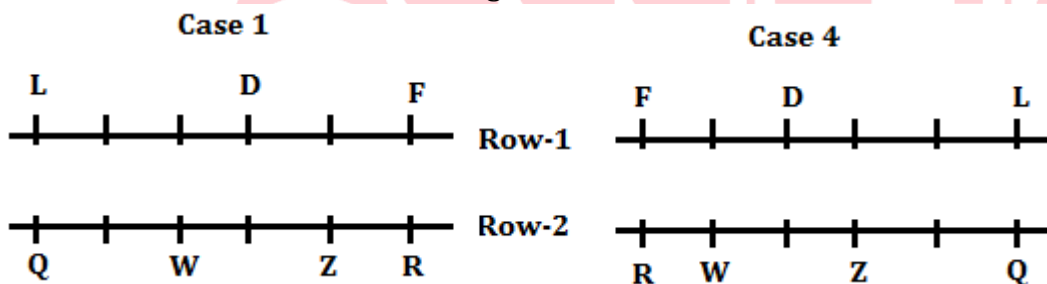


**S86. Ans.(d)**

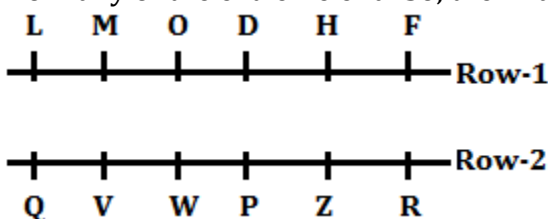
**Sol.** From the given statements, there are 2 persons sit between L and D and one of them sits at one of the extreme ends of the row. Here we get 4 possibilities i.e., Case 1, Case 2, Case 3 and Case 4. Q faces to the L. F faces to R and sits at one of the extreme ends.



There are more than one person sits between Q and R. Here Case 2 and Case 3 are ruled out. W sits 2<sup>nd</sup> to the left of Z and both are not facing to D.

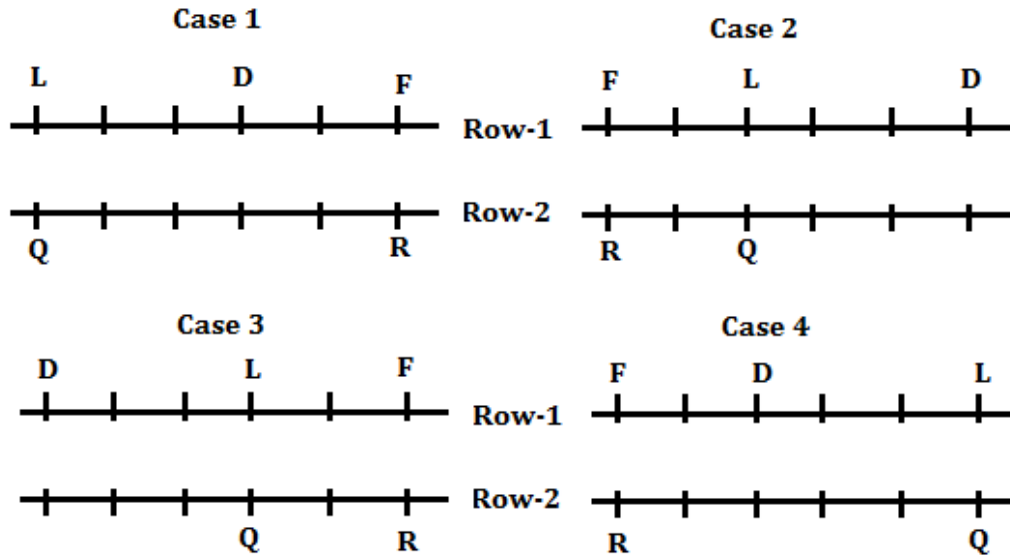


The number of persons sit between Q and Z is same as the number of persons sit between R and V, who does not sit near to Z. Here Case 4 is ruled out now. M does not sit near to D and F. O does not sit 2<sup>nd</sup> from any of the extreme end. So, the final arrangement is-

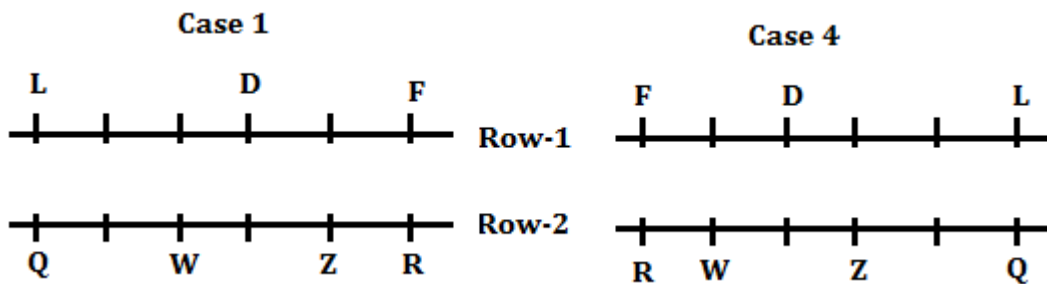


**S87. Ans.(b)**

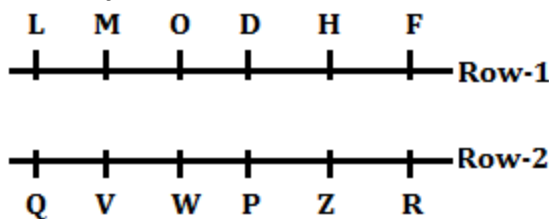
**Sol.** From the given statements, there are 2 persons sit between L and D and one of them sits at one of the extreme ends of the row. Here we get 4 possibilities i.e., Case 1, Case 2, Case 3 and Case 4. Q faces to the L. F faces to R and sits at one of the extreme ends.



There are more than one person sits between Q and R. Here Case 2 and Case 3 are ruled out. W sits 2<sup>nd</sup> to the left of Z and both are not facing to D.

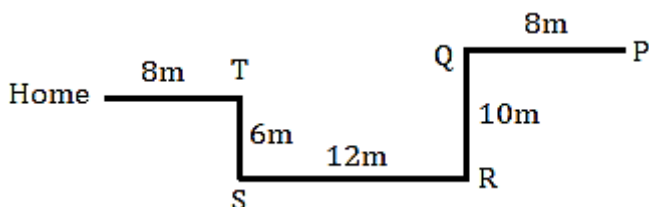


The number of persons sit between Q and Z is same as the number of persons sit between R and V, who does not sit near to Z. Here Case 4 is ruled out now. M does not sit near to D and F. O does not sit 2<sup>nd</sup> from any of the extreme end. So, the final arrangement is-



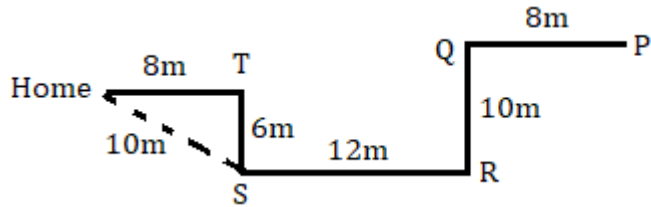
**S88. Ans.(d)**

**Sol.**



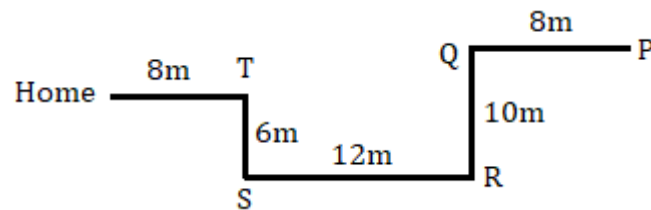
S89. Ans.(b)

Sol.



S90. Ans.(a)

Sol.



S91. Ans.(d)

Sol.

- I.  $M \geq Q$  (False)
- II.  $M < G$  (False)

S92. Ans.(b)

Sol.

- I.  $A > B$  (True)
- II.  $K < D$  (False)

S93. Ans.(c)

Sol.

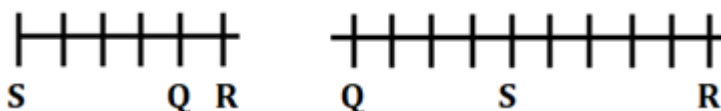
- I.  $K \geq N$  (False)
- II.  $A > M$  (False)

S94. Ans.(c)

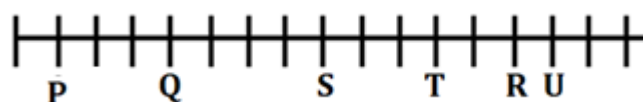
Sol. Three persons sit between Q and S. There are two possibilities. R sits fifth right of S.

Case-1

Case-2

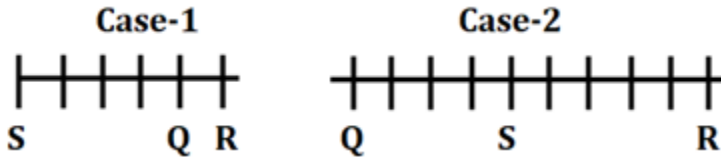


Not more than two persons sit between U and T, who does not sit left of Q. From this conditions case-1 will be eliminated. T sits exactly between S and U. Only four persons sit to the left of Q. Number of persons sit right of R is two more than the number of persons sit left of P. U sits third from the right end of the row. The final arrangement is-

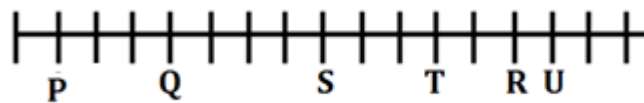


S95. Ans.(b)

Sol. Three persons sit between Q and S. There are two possibilities. R sits fifth right of S.

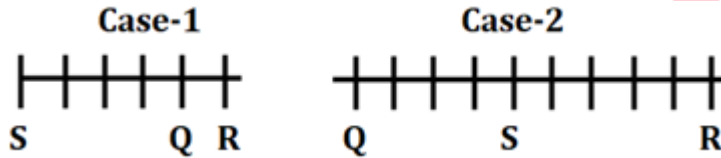


Not more than two persons sit between U and T, who does not sit left of Q. From this conditions case-1 will be eliminated. T sits exactly between S and U. Only four persons sit to the left of Q. Number of persons sit right of R is two more than the number of persons sit left of P. U sits third from the right end of the row. The final arrangement is-

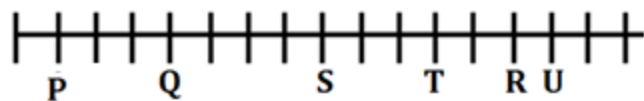


S96. Ans.(d)

Sol. Three persons sit between Q and S. There are two possibilities. R sits fifth right of S.



Not more than two persons sit between U and T, who does not sit left of Q. From this conditions case-1 will be eliminated. T sits exactly between S and U. Only four persons sit to the left of Q. Number of persons sit right of R is two more than the number of persons sit left of P. U sits third from the right end of the row. The final arrangement is-



S97. Ans.(b)

Sol. 437 562 593 628 723

S98. Ans.(c)

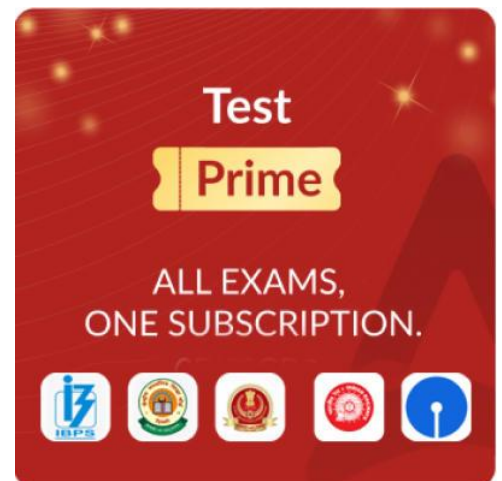
Sol. 953 732 743 652 862

S99. Ans.(a)

Sol. 11 6 0 9 0

S100. Ans.(a)

Sol.  $8/2 = 4$



Test Prime  
ALL EXAMS,  
ONE SUBSCRIPTION.