

Sectionwise Grand Test – Reasoning Ability – SWGTR-171201

HINTS & SOLUTIONS

ANSWER KEY

1. (5)	11. (5)	21. (4)	31. (1)	41. (3)
2. (3)	12. (3)	22. (1)	32. (2)	42. (4)
3. (3)	13. (5)	23. (3)	33. (5)	43. (1)
4. (2)	14. (4)	24. (5)	34. (2)	44. (3)
5. (1)	15. (5)	25. (4)	35. (3)	45. (4)
6. (4)	16. (2)	26. (1)	36. (2)	46. (5)
7. (2)	17. (4)	27. (1)	37. (3)	47. (4)
8. (5)	18. (3)	28. (3)	38. (4)	48. (2)
9. (3)	19. (4)	29. (4)	39. (1)	49. (2)
10. (3)	20. (2)	30. (4)	40. (2)	50. (5)

HINTS & SOLUTIONS

1. (5) From statement I, II king III,
Smart → Kot, good → mit, prince → hyt,
of → zot, king → rut, queen → tot, its → fet
of its smart → zot fet kot
Hence, beauty → pit
2. (3) From I – Anshika's rank is 10th from the bottom. so $(45 - 10 + 1) = 36$ th from the top.
From II and III- Sonakshi's rank from top = 30th
Anita's rank from top = $45 - 4 + 1 = 42$ nd
Now, Anshika's rank = $(30 + 42) / 2 = 36$ th from top
II and III are required to answer the question.
3. (3) 2, 8, 18, 20 – X, E, A, P
4. (2) Word formed is APEX. So third letter – E
- 2 - X
4 - D
6 - I
8 - E
10 - K
12 - J
14 -
16 - M
18 - A
20 - P
22 - S
24 - U
5. (1) 4 is D so 2 letters between 4 and 14. $D + 2 = A, G$ but A is already written. We cannot repeat any letter. So $D + 2 = G$ so against 14 is G
Now 10 is K. 14 is G. So between them is only 3 letters in English alphabetical series.
- 6-10. Step1: From the given definite conditions: - U lives on 3rd floor and wears a Red color shirt, More than three persons lives below the one who likes pizza, who does not lives on the top floor so from this condition there will be two possible cases in which the one who likes pizza either lives on 6th floor or on the 5th floor.

Case 1:

Floor	Person	Food item	Shirt's color
7			
6		Pizza	
5			
4			
3	U		Red
2			
1			

Case 2:

Floor	Person	Food item	Shirt's color
7			
6			
5		Pizza	
4			
3	U		Red
2			
1			

Step2: From the given definite conditions: - S does not like Idli, P, who lives on top floor lives immediately above Q and there are four person's living between S and P, who does not like Pizza. Now R does not wear Blue or pink shirt nor does he like Idli and R lives on one of the floor above S but lives below the floor on which T lives, who likes French fries and V likes Donuts and does not wear Black or Pink or Green color shirt and S wears Black color shirt, So from these statements it is clear that R lives on the 4 th floor and T lives on 5 th floor and V who likes Donuts lives on floor number 1 and hence case two will be eliminated as T likes French fries.

Case 1:

Floor	Person	Food item	Shirt's color
7	P	Pizza	
6	Q	Pizza	
5	T	French fries	
4	R	Idli	Blue/Pink
3	U		Red
2	S	Idli	Black
1	V	Donuts	Black/Pink/Green

Case 2:

Floor	Person	Food item	Shirt's color
7	P	Pizza	
6	Q		
5	T	Pizza	
4	R	Idli	Blue/Pink
3	U		Red
2	S	Idli	Black
1	V	Donuts	Black/Pink/Green

Step3: Now it is given that two person's lives between the one who wears Blue shirt and the one who likes Idli so from this condition it is clear that U likes Idli and Q wears Blue color shirt as because S and R does not like Idli and R does not wear Blue color shirt as mentioned in step 2. Now it is given that the one who likes Burger lives above the one who likes Dhokla but below the one who likes Dosa, who wears Yellow color shirt so R likes Burger, S

likes Dhokla and P likes Dosa and P wears Yellow color shirt. As, R and V does not wear Pink color shirt so T wears Pink color shirt and R wears Green color shirt and V wears White color shirt from the above statements. Hence we get our final Solution.

Case 1:

Floor	Person	Food item	Shirt's color
7	P	Dosa	Yellow
6	Q	Pizza	Blue
5	T	French fries	Pink
4	R	Burger	Green
3	U	Idli	Red
2	S	Dhokla	Black
1	V	Donuts	White

6. (4)

7. (2)

8. (5)

9. (3)

10. (3)

11. (5)

In the above question we have to find which of the following can be concluded from the given statement.

For I-This statement can be deduced from the given statement. It defines that social media is providing a platform to the people of the country to stay connected with public servant and vice-versa which Trump has also discussed in his statement about to hear directly from his citizens.

For II-This statement cannot be deduced from the given statement. This statement describes the importance of social media in election campaigns for publicity and as the only way to get connected to youth whereas Trump's statement refers to the social media as a medium for the mutual connection of the citizens and their elected officials.

For III-This statement also cannot be deduced from the given statement because twitter is also a part of social media but statement is concerned with the significance of twitter as people can participate in debates and discussions on this platform during political campaigns on the other hand. In the given statement it is not mentioned the interaction of citizens & both Modi and Trump on social media takes place only during political campaigns.

12. (3)

In the above question we have to find which statement nullify (make ineffective) the given statement.

For I-This statement is false. This statement is concerned with the current situation of Darjeeling which is creating problems for tourists of that area and many of them are not be able go somewhere .This is directly related to given statement which states about the current disruption in Darjeeling hills.

For II-This is true in context to the given question. As this statement refers that CM of West Bengal told media that the situation is under control in Darjeeling now which nullifies the given statement which states there is an uncertainty in that region in current scenario.

For III-This statement is also false. This statement implies that only medical shops are opened there and Internet is not working in that region which refers the fact given in the statement of indefinite shutdown.

13. (5)

In the above we have to find which of the following can be assumed from the given statement.

For I-This can be inferred from the given statement as it is mentioned in given statement that no country alone can fight against terror and real efforts from all others are required to face this challenge.

For II-It cannot be inferred from the given statement as it says that no country alone can fight against terrorism but it is not mentioned that this is not possible to control terrorism and it will continue to grow. It is also mentioned they are making efforts towards fighting with this by UNCCT as given in the statement. So this is false.

For III-This also can be inferred as it describes that it is necessary to increase the capability of the countries to fight against terror as it is mentioned that to fight against terrorism whole World should coordinate.

For IV-It cannot be inferred as it is not mentioned in the given statement that on which areas this UNCCT project will focus.

14. (4)

In this question we have to find out the statement which supports the remark made by Lewis against Vettel.

In statement (i), Vettel defends himself against Lewis's remarks by saying that it was Lewis who started it all. Therefore this statement does not support the remarks made by Lewis.

Statement (ii) supports the remarks made by Lewis by proving that he was indeed guilty of dangerous driving.

Statement (iii) also supports the remarks made by Lewis by proving that he was indeed guilty of dangerous driving.

15. (5)

In this question, we have to find out the possible reason which prompted Indian Army to stop PLA from constructing the road in its territory.

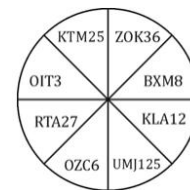
Statement (i) just gives the specifics of the incident and therefore not a right option.

Statement (ii) mentions an incident which suggests that it was PLA who started it all by damaging bunkers on Indian side of the border.

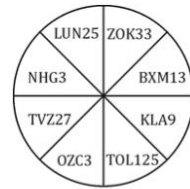
Statement (iii) is not correct as it is absurd for an army to respond to the outcome of a sports event.

Statement (iv) mentions an incident which suggests that it was PLA who started it all by refusing entry to Indian pilgrims

16-20.

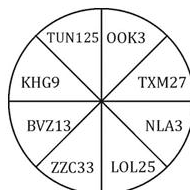


The alphabets are arranged according to the directions are given for step 1.



Step-1

The alphabets are arranged according to the directions are given for step 2.

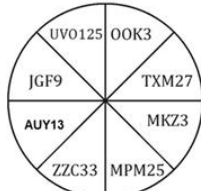


Step-2

For Step-3:

If the numbers with the alphabets are greater than or equal to 16 and have at least one vowel in words, the letters are replaced with the next letter in alphabetical series.

If the numbers with the alphabets are less than 16 and have at most one vowel in words, the letters are replaced with previous letter in the alphabetical series.

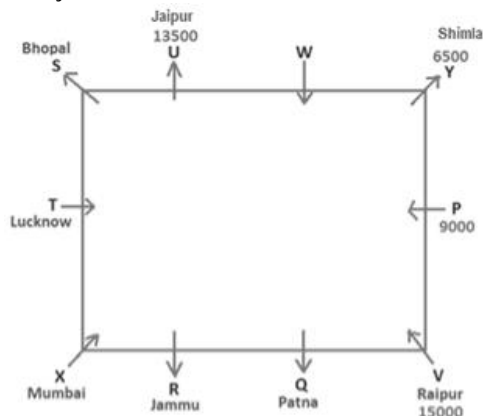


Step-3

- 16. (2)
- 17. (4)
- 18. (3)
- 19. (4)
- 20. (2)

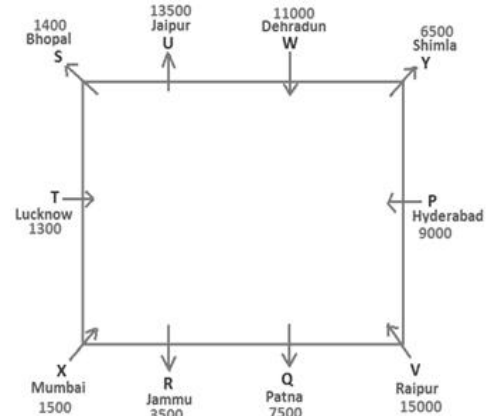
It is given that the one who belongs to Jammu sits immediate right of X, who belongs to Mumbai. X sits at one of the corner faces to the centre. X is not an immediate neighbour of P, Q and U, but sits on the immediate right of R, who is not facing the centre. The one who belongs to Raipur sits second to the left of R. S and V sit diagonally and face the opposite directions. S belongs to Bhopal and sits third to the left of the one who belongs to Shimla so V belongs to Raipur.

T, who sits at one of side where only one person sits is an immediate left of S and is not an immediate neighbor of R so S faces away from the center and V faces to the centre. The one who got second highest bonus money means who got 13500 sits fourth to the right of V. W and S are sitting on the immediate left and third to the left of Y respectively. P sits on one of the side where only one person sits and third to the right of U. T belongs to Lucknow and sits second to the left of the one who belongs to Jaipur. The one who belongs to Patna sits immediate left of the one who belongs to Raipur. Five of them face in the same directions. Not more than two friends sitting together face the same direction so W faces to the centre and Q faces away from the centre. The one who belongs to Raipur got in bonus 5000 more than the square of 100. P's bonus money is 9000.



It is given that the one who got 4600 more than the square of 80 as bonus money sits immediate right of U so W got 11000. S's bonus money is not divisible by 3. Q got 4000 more than the bonus money of the one who belongs to Jammu so Q got 7500 and R got 3500. S's bonus money is not divisible by 3. The one who belongs to Bhopal did

not get 1300 bonus money so S got 1400. X is not the person who got lowest bonus money so X got 1500 and T got 1300 bonus money. The final arrangement is –



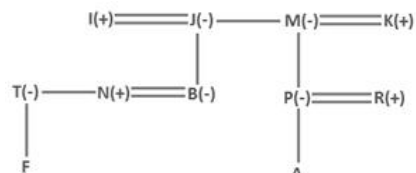
- 21. (4)
 - 22. (1)
 - 23. (3)
 - 24. (5)
 - 25. (4)
 - 26-30.
- Step-1: E is a Muslim and plays for Chelsea. C knows Karate and belongs to club Real Madrid. A does not know Judo. B's a Christian.

Name	Club	Religious Group	Martial art
A			Judo
B		Christian	Judo
C	Real Madrid		Karate
D			
E	Chelsea	Muslim	
F			

Step-2:- At least one and at most two persons belong to each of the four religious groups. No two persons have the same combination of religious group and martial art. F and C belong to the same religious group and A and D belong to different religious groups. The person who belongs to club FC Barcelona knows Taekwondo. Two persons know Karate and they belong to Christian and Buddhist group. Two persons, the one who belongs to the club MANU and B know Judo. The person who is a Buddhist does not know Judo. The persons who are belonging to the clubs Real Madrid and Sunderland know the same martial art.

Name	Club	Religious Group	Martial art
A	Sunderland	Christian	Karate
B	Manchester	Christian	Judo
C	Real Madrid	Buddhist	Karate
D	Manu	Hindu	Judo
E	Chelsea	Muslim	Jijutsu
F	FC Barcelona	Buddhist	Taekwondo

- 26. (1)
- 27. (1)
- 28. (3)
- 29. (4)
- 30. (4)
- 31-33.



- 31. (1)
 - 32. (2)
 - 33. (5)
 - 34. (2)
- In this question, we have to choose an option which could be the possible outcome of the incident mentioned in the statement.
- Option (i) is not an outcome as it mentions an event that could be linked with the death of Chester.

Option (ii) is definitely possible as it is mentioned in the statement that Chester was to give a live performance recently.

Option (iii) is not a possible outcome as it is given in the statement that the fans will be in a state of shock and grief instead of being angry and frustrated about the possibility of the event being cancelled.

35. (3) In this question, we have to choose an option which can be hypothesized from the facts given in the statement.

Option (i) can be hypothesized from the statement as his religion is clearly mentioned in the title of the report which means that it might have something to do with religion.

Option (ii) is a wrong statement as Lebanon is not a part of American subcontinent.

Option (iii) is not a correct choice as its his job that is being referred to as forbidden in the statement.

36-40.

Step1: Difference $\begin{matrix} 27 \\ 5-2=3 \\ 7-6=1 \end{matrix}$ $\begin{matrix} 98 \\ 9-18=2 \\ 8-6=6 \end{matrix}$ $\begin{matrix} 45 \\ 4-10=2 \\ 5-8=6 \end{matrix}$ $\begin{matrix} 56 \\ 5-10=2 \\ 6-8=6 \end{matrix}$ $\begin{matrix} 12 \\ 1-2=2 \\ 2-2=2 \end{matrix}$ $\begin{matrix} 22 \\ 2-2=2 \\ 2-2=2 \end{matrix}$

Step2:

- Addition:** first digit of blocks $(3 + 8 + 2 = 13)$
- Subtraction:** First digit of second block and first digits of 1st & 3rd block $[8 - (2 + 3)] = 3$
- Multiplication:** resultant of addition & subtraction $13 \times 3 = 39$
- Addition:** Second digit of all blocks $(1 + 6 + 3) = 10$
- Subtraction:** Second digit of second block and sum of second digit of 1st & 3rd block $[6 - (3 + 1)] = 2$
- Multiplication:** resultant of addition & Subtraction $10 \times 2 = 20$

Step3:

- Multiplication:** first digits of first block with both digits of second block & same with the second digit and sum up the all values $(3 \times 2 = 6, 9 \times 2 = 18, 3 \times 0 = 0, 9 \times 0 = 0) (6 + 18 = 24)$
- Addition:** add the digits of the resultant $[2 + 4 = 6]$
- Multiplication:** first digit of second block with both digits of first block & same with the second digit and sum up the all values $(2 \times 3 = 6, 2 \times 9 = 18, 0 \times 3 = 0, 0 \times 9 = 0) (6 + 18 = 24)$
- Addition:** Add the digits of the resultant $[2 + 4 = 6]$

Step4: Divide the number of first block from second block. $\boxed{1}$

So the final solution is-

$\begin{matrix} 27 & 98 & 45 & 56 & 12 & 22 \\ & \diagdown & \diagup & \diagdown & \diagup & \diagdown \\ & 31 & 86 & 23 & & \end{matrix}$

Step1 $\begin{matrix} 31 & 86 & 23 \end{matrix}$

Step 2 $\begin{matrix} 39 & 20 \end{matrix}$

Step 3 $\begin{matrix} 6 & 6 \end{matrix}$

Step 4 $\begin{matrix} 1 \end{matrix}$

36. (2)

37. (3)

38. (4)

39. (1)

40. (2)

41-45.

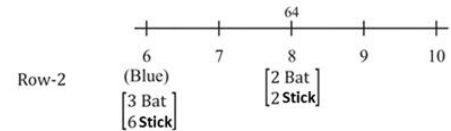
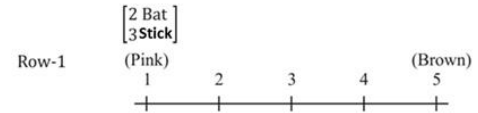
From the given conditions, the box number 8 has length 64m. There is one box between box 8 and Blue box. Hence Blue box is either second right or second left of box number 8. The Blue box contains 1 bat and 4 sticks more than that in box 8. The Pink box is just above the Blue box. The Pink box contains same number of bats as box 8 and 3 sticks. There are most boxes (which is possible) between Pink and Brown box. Hence there are three boxes between Pink and Brown box.

As per the given in the condition, Length of each bat is 20m and length of each stick is 12m.

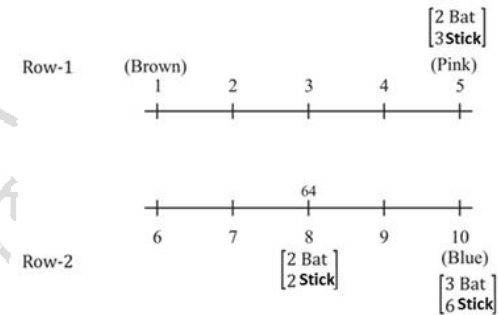
Let Box no. 8(Bat) =x and Box no. 8(Stick) =y

So $20x+12y = 64$, so the possible value for Box no. 8 is Bats =2 and Sticks= 2

Case-1



Case-2



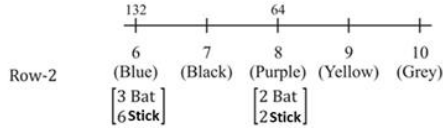
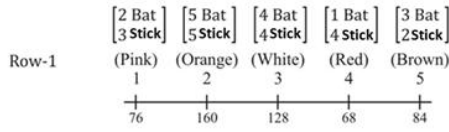
From the given conditions, the length of Brown box is 8m greater than the Pink box. Hence length of Brown box is 84m so the length of pink box is 76m. The Red box is immediate before in number to Brown box. Hence in case-2 there is no number before Brown box, so Case- 2 is eliminated. Case-1 is continued. From the given conditions, The Red box contains 1 bat less than that in Pink box and 2 sticks less than that in Blue box. Hence Red box contain 1bat and 4 sticks and the length of Red box is 68m. There is one box between Red and orange box. White box is in row 1. Hence box number 3 is white box.

From the given conditions, The Black box is just below the orange box. There are two boxes between Black and Grey box. The Yellow box is just below the Red box. The length of Purple box is half the length of White box. Hence box number 8 is Purple box and length of White box is 128m. White box contains more bat than Red box. Hence White box contains 4bats and 4sticks.

From the given conditions, the orange box has 1 bat more than White box. The Orange box has same number of bats and sticks. Hence Orange box contains 5bats and 5 sticks and the length of Orange box is 160m.

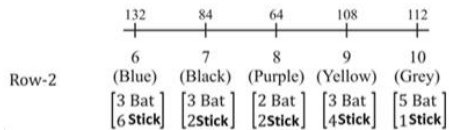
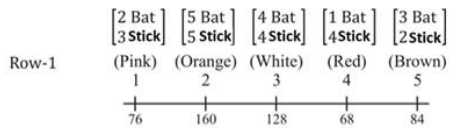
Length of each bat is 20m and length of each stick is 12m.

Case-1



From the given conditions, the length of White box is 20m more than the length of Yellow box. Hence length of Yellow box is 108m. The length of row-2 is 16m less than the length of row-1. Hence length of row-2 is 500m. The length of Grey box is 48m less than the length of Orange box and Grey box does not contain six sticks. Hence length of Grey box is 112m and it will contain 5bats and 1 stick. And the length of rest box number 7 is 84m. In row-2, three boxes contain same number of bats. Hence Black box contains 3bats and 2sticks.

Length of each bat is 20m and length of each stick is 12m.



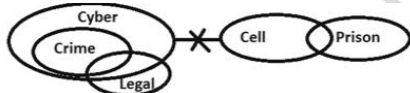
- 41. (3)
- 43. (1)
- 46. (5)

- 42. (4)
- 44. (3)

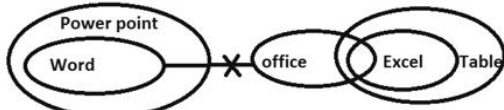
- 45. (4)



- 47. (4)



- 48. (2)



- 49. (2)



- 50. (5)

