

Section-wise Grand Test – Reasoning Ability – SWGTR-180104

HINTS & SOLUTIONS

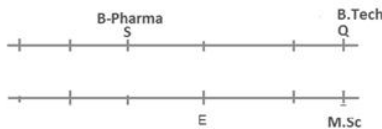
ANSWER KEY

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

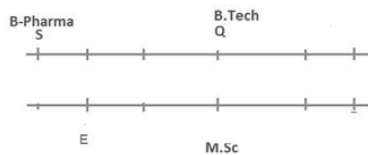
HINTS & SOLUTIONS

1-5. In this puzzle, there is two parallel rows, in which P, Q, R, S, T and V faces south and A, B, C, D, E and F faces North. Since S sits third to right of Q. Either S or Q sits at an extreme end of the line. The one who is doing MSc faces Q, who is doing B.Tech. The one who faces Q sits second to right of E. For this, we have two case.

Case 1



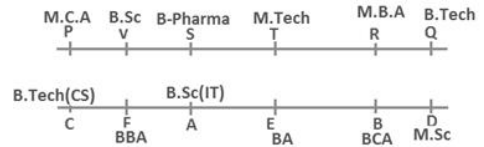
Case 2



Now, here is one condition in which, two people sit between B and F. Neither B nor F sits at an extreme end of the line. That means Case 2 will be eliminated.

Now in case 1, Since the immediate neighbour of B faces the person who sits third to left of P. So B seats immediate left of the one who is doing M.Sc. C sits second to the left of A. C is doing B.Tech (CS). Person, who is doing BCA sits fourth to the right of the one who is doing B Tech (CS). Person doing B.Sc faces the one, who sits third to the left of B. Persons are doing B.Sc(I.T) and BA sits adjacent to each other. T faces the one, who is doing BA. R and T are immediate neighbours of each other. Person doing B.Sc faces the one, who sits third to the left of B. T does not face the immediate neighbor of D. The person, who is doing BBA faces the person, who sits third to the right of R. The Person, who is doing M.C.A sits diagonally opposite

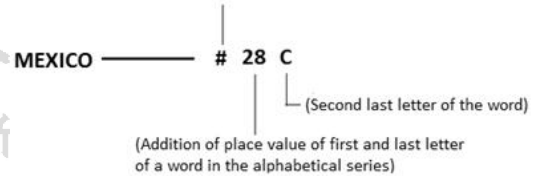
to the person, who is doing M.Sc. S is doing B-Pharma. T is not doing M.B.A and B.Sc that means he is doing M,Tech and R is doing M.B.A



- 1. (4)
- 2. (3)
- 3. (3)
- 4. (2)
- 5. (3)
- 6-10.

These are the latest pattern of coding-decoding questions. In these questions we are applying following concept:-

(If total number of letter in word is odd number then use @ sign, otherwise #)



- 6. (1)
- 7. (4)
- 8. (2)
- 9. (4)
- 10. (1)
- 11-15.

Step 1.

From the data given in the question, Only Prakash teaches in Bankers institute and his student is P. Only Aman is the one whose student got C grade. R took his class in Rohini center and obtained either A or B grade. Prakash do not teach in Paschim Vihar center. Among the given teachers only two of them teaches in Career power institute, neither of whose students in N. The student who studies in Laxmi Nagar center obtained B grade but he is not N. M took his classes from Sachin who teaches in Adda247 institute. N obtained B grade. Divyaraj's student is neither N nor Q but obtained A grade. We get,

Students	Teachers	INSTITUTE	CENTER	GRADE
M	Sachin	Adda 247		
N	(Divyaraj)	(Career Power)	(Laxmi Nagar)	B
O				
P	Prakash	Bankers(1)	(Paschim Vihar)	
Q	(Divyaraj)			
R	Divyaraj		Rohini	A/B
	Aman			A
		Career Power(2)		C(1)
			Laxmi Nagar	B

Step 2.

From the data given in the question, Three students- the one who was taught by Prakash, the one who was taught by Divyaraj and R obtained the same grade in the exam. Since we already know that Divyara's student got A grade in the examination, it means these three student also obtained A grade in the examination and O is the student of Divyaraj. Also, Q must be the student of Aman as there is no other possibility left.

Similarly, M took his classes in Laxmi Nagar and obtained B grade.

So we get,

Students	Teachers	INSTITUTE	CENTER	GRADE
M	Sachin	Adda 247	Laxmi Nagar	B
N		{Career Power}		B
O	Divyaraj			A
P	Prakash	Bankers(1)	{Paschim Vihar}	A
Q	Aman			C(1)
R			Rohini	A
		Career Power(2)		

Step 3.

From the data given in the question, Modi teaches in Dwarka center. It means he teaches N as there is no other possibility left. Similarly Anshul teaches R. One of the career power institutes is in Cannaught Place but its student did not obtained C grade so Divyaraj must be the one who teaches in that institute.

Modi teaches in the same institute as Anshul, it means both of them teaches in Adda institute as other possibilities (Adda 247 etc.) will not satisfy the condition given in the puzzle. Similarly P is the one who teaches in Uttam Nagar and Q teaches in Paschim Vihar Center.

We get our final solution as,

Students	Teachers	INSTITUTE	CENTER	GRADE
M	Sachin	Adda 247	Laxmi Nagar	B
N	Modi	Adda	Dwarka	B
O	Divyaraj	Career Power	Cannaught Place	A
P	Prakash	Bankers	Uttam Nagar	A
Q	Aman	Career Power	Paschim Vihar	C
R	Anshul	Adda	Rohini	A

11. (3)

12. (3)

13. (3)

14. (2)

16. (4)

For I- This statement negates the given statement as it states that the value of illegal notes entering India from Bangladesh seems to have come down whereas the given statement states that Bangladesh replaces Pakistan as hub of fake Indian currency.

For II- This statement supports the given statement as it states that Bangladesh is producing and smuggling fake notes.

For III-This statement does not negates the given statement as it gives the additional information on this issue.

17. (4) In the above question we have to find which statement supports the given statement.

For I- This statement supports the given statement as it states the issue of lynchings and politics of polarisation are dangerous.

For II- This statement neither negates nor supports the given statement as it gives the additional information of him highlighting his congress party's achievements when it was in power.

For III- This statement also supports the given statement as it describes the negative consequences of Modi government's Demonetisation and implementation of the goods and services tax (GST) on the growth of the country which is also mentioned that he criticised the Modi government over its economic policies.

18. (3) In the above statement we have to find the possible outcome of the following statement.

19. (2)

For I-This can be the repercussion of the given statement because the large amount of waste is generated annually and there is no proper mechanism for its dumping so soon there will be no space on land for trash.

For II-This statement is basically providing a suggestion for the problem of waste management.

For III-This statement is giving an idea about the way this problem was handled by the people before.

For I-This statement is in-line with the given statement as it states about appeal made by security forces to the militants to surrender which is also mentioned in the given statement.

For II- This statement is not-in-line with the given statement as it states about the book which is based on the surgical strikes in Pakistan occupied Kashmir.

For III- This statement is in-line with the given statement as it states that the security forces will help the militants if they surrender which is also mentioned in the given statement that surrender and join mainstream for safe future.

20-25.

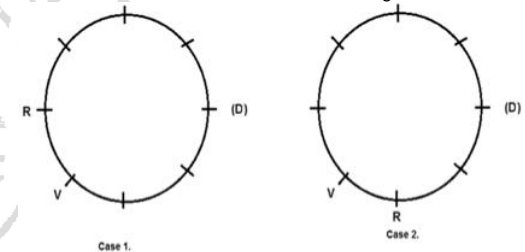
Step 1.

From the data given in the question,

The boxer wearing the gloves of D brand sits third to the right of V.R is an immediate neighbour of V. So there will be two possible cases i.e.

Case1. When R sits to the immediate left of V.

Case2. When R sits to the immediate right of V.



But it is also given that the boxer who is wearing gloves of brand E sits second to the right of R which is not possible in case 2. So case 2 will be eliminated and we will proceed with case1.

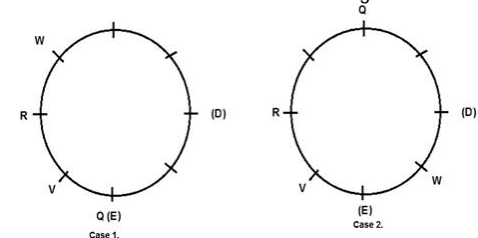
Step2.

From the data given in the question, Q sits third to the right of W. W is wearing gloves of neither D nor E brand.

Again, there will be two possible cases.

Case 1. When W sits second to the left of V.

Case 2. When W sits second to the right of V.



Since it is given that P and U are immediate neighbours of each other and none of them is wearing gloves of brand D, so our case 2. will be eliminated as it is not possible in that case and we will proceed with case 1.

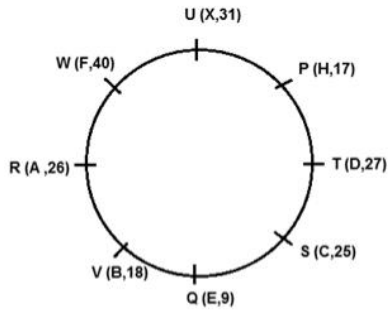
Step 3.

From the data given in the question,

The boxer who sits between Q and the one who is wearing gloves of brand D is twenty five years old. Only one boxer

sits between R and the boxer who is wearing gloves of X brand. The boxer who sits opposite to R is two years older than the boxer who sits immediate left of T. The boxer wearing gloves of brand B is not an immediate neighbour of the boxer wearing gloves of brand D. Age of W is equal to the sum of the ages of the boxers who are wearing gloves of brand X and E. The boxer wearing gloves of brand C sits second to the left of P. The boxer wearing gloves of F brand sits second to the right of P. Two boxers sit between S and the boxer wearing gloves of brand A. V is twice as old as one of his immediate neighbour. U is five years older than R. S is not wearing gloves of D brand. P is ten years younger than the boxer who is wearing gloves of brand D. Age of the boxer who sits opposite to the one who is wearing gloves of brand H is two third the age of the boxer who sits opposite to R whose age is equal to the average of ages of T and S.

We get our final solution as,

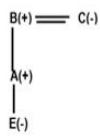


- 20. (1)
- 23. (2)
- 26. (3)

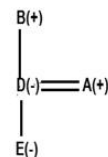
- 21. (2)
- 24. (4)

- 22. (2)
- 25. (1)

From Statement I----

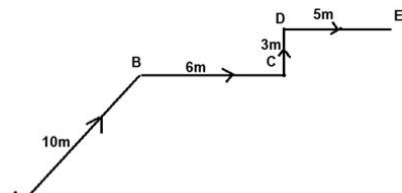


From Statement II----

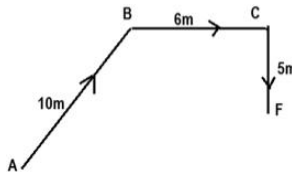


So Either Statement I or II it is clear that E is the daughter of A. So Either Statement I or II alone is sufficient to answer the question.

- 27. (1) From Statement I—



From Statement II-We cannot find the direction of E from F.



So Only Statement I alone is sufficient to answer the question but Statement II alone is not sufficient.

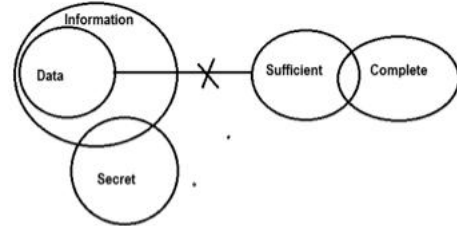
- 28. (1) For I- This statement cannot be hypothesized from the given statement because It cannot be assumed that

Sushma Swaraj is pointing Pakistan without naming it for the challenges posed by cross-border terrorism.

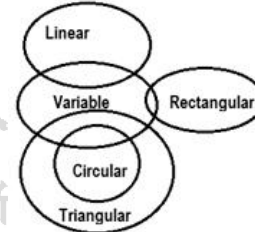
For II- This statement cannot be hypothesized from the given statement because nothing is mentioned about the meeting in the given statement.

For III- This statement can be hypothesized from the given statement because it is given that India has a spiritual and civilisational connection with Afganistan and there is a strategic partnership and friendship between India and Afghanistan.

- 29. (4)



- 30. (5)



- 31. (1)

In this question, we have to choose an option which is an appropriate course of action in light of the given statement.

Option (i) is an appropriate course of action as this will ensure the safety of school children in that area.

Option (ii) is not a correct course of action as the issue of terrorism is nowhere mentioned in the statement. Cease fire generally involves two military forces (In this case India and Pakistan).

Option (iii) is also not a correct course of action as we don't know that the citizens of Arnia sector were involved in anti-national activities.

- 32. (5)

In this question we have to choose an option which can be implied from the given statement.

(i) Can be implied as it is given in the statement that the government is being blamed for the "few things it does right for the economy".

(ii) is also implicit as this pricing policy was used in the statement as an example of one of the few things the government did right for the economy.

- 33. (2)

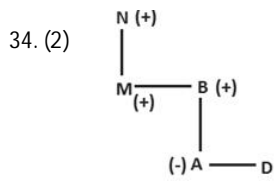
In this question, we have to choose an option which negates the above statement.

Option (i) negates the statement as it mentions a fact which proves there was indeed an exodus.

Option (ii) also negates the statement as point out that minorities were attacked.

Option (iii) does not negate the statement but mentions an additional fact which supports the statement by pointing out that most of the villages are not affected.

Option (iv) also supports the statement as it points out that Suu Ki is ready for third party intervention to prove her point.



35. (5) In this question, we have to choose an option which negates the given statement.

Option (i) does not abrogates the statement as it point out that he is able to stay health and fit and it is also mentioned in the statement that he is known for his stamina.

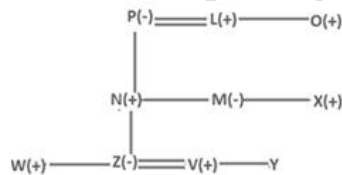
Option (ii) also supports the statement as it points out that he has long working hours which is linked with stamina.

Option (iii) does not negate the statement as its mentions that he is health conscious and careful about his diet.

36-40. First we try to complete blood relation tree from the given conditions.

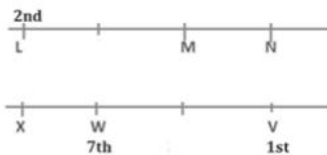
Conditions are like as, N's father and Z's father. Neither M nor Z's grandfather faces Z. Z's husband. Z's uncle. W sits second to the left of Z's husband. Neither M nor Z's grandfather faces Z. Z's husband, who lives on 1st floor, sits third to the right of Z's uncle. W sits second to the left of Z's husband. Only one person sits between N's sister and L's brother. There are two sons and one daughter of L. The person who is facing Z's brother sits immediate right of L's daughter. P is the grandmother of W and Z. O is the brother-in-law of P. N is the father of W and brother of M. W's grandfather. V is the husband of Z and brother of the one, who lives on 5th floor. Y lives on 5th floor.

By using these conditions, we can draw a blood-relation diagram.

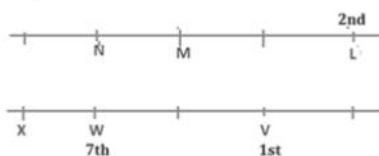


Now, we try to complete linear arrangement from using given conditions and with the help of blood-relation tree. Z's husband, who lives on 1st floor, sits third to the right of Z's uncle. W sits second to the left of Z's husband. The person who is facing Z's brother, who lives on 7th floor, sits immediate right of L's daughter. W's grandfather, who lives on 2nd floor, is not an immediate neighbour of M. Only two persons sit between N's father and Z's father. There can be two possibilities by using these conditions.

Case-1



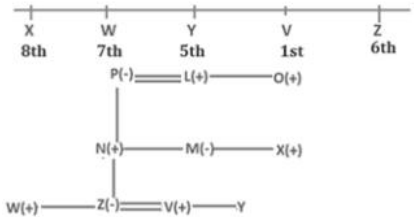
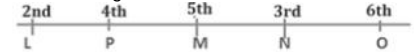
Case-2



From the other conditions, neither M nor Z's grandfather faces Z. Hence Case-2 is eliminated and Case-1 is continued.

Only one person sits between N's sister and L's brother. Y lives on 5th floor. Z lives on 6th floor and P lives on 4th floor. X lives on 8th floor. The persons who live on the same floor ,sit opposite to each other. N lives neither on 5th nor on 6th floor.

We get the final arrangement-



36. (5)

38. (3)

41-45.

37. (1)

39. (2)

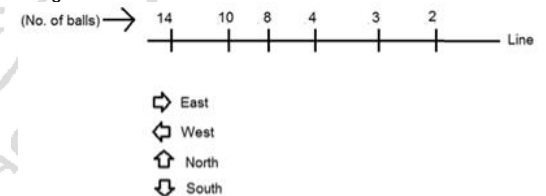
40. (1)

Step 1.

From the data given in the question,

The row in which the kids are standing is aligned in an east-west direction in an increasing order of the number of balls they have, that means the kid who is standing at the eastern most end of the row got 2 balls and the kid, who is standing at the western most end got 14 balls. They are facing the cardinal directions, which means North, East, West, South.

We get,



Step 2.

From the data given in the question,

The number of kids standing to the left of L which is more than the number of balls L has. It means L can have either two or three balls because if he has more than three balls, let us suppose four, it would mean that L must have at least five persons to his left which is not possible from the arrangement. The fact there are kids standing to the left of L implies that L is facing either north or south direction. The number of kids standing ahead of K is same as the number of kids standing to the left of L. The fact that there are some kids ahead of K implies that he is facing either east or west direction.

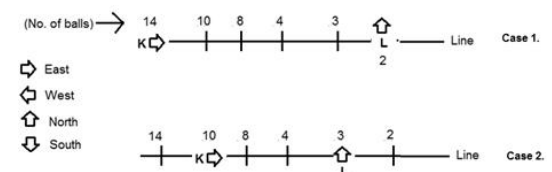
So there are two possibilities,

Case 1.

When L has 2 balls.

Case 2.

When L has three balls.

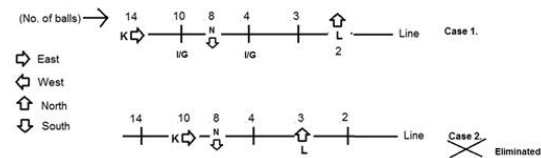


Step 3.

From the data given in the question,

The number of balls of N is four times the number of kids standing to the right of him which means N has got eight balls and is facing the south direction. The difference between the number of balls of L and N is same as that of I and G, so case 2 will be eliminated as in case 2, the difference in the number of balls of L and N come 5 and there are no two numbers left in the arrangement which have a difference of 5.

So we get,



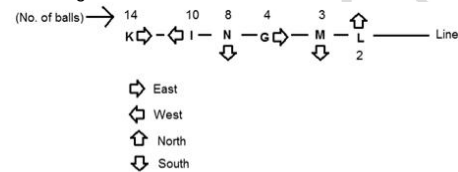
Step 4.

From the data given in the question,

G has two times the number of balls as the number of kid standing ahead of him.

It means G has got four balls and he is facing towards east and I has 10 balls. There is only one position left for M i.e. immediate left of L. The kids who are standing at the ends of the line are facing a direction opposite to their immediate neighbour.

So, we get our final solution as,



41. (4)

42. (5)

43. (2)

44. (1)

46. (3)

45. (4)

In this question we have to choose an option which supports the given statement.

Option (i) supports the statement as it call for a need to protect both large and small animal which means they must be at some risk.

Option (ii) does not support the given statement which points out that large animal too are facing the risk of extinction.

Option (iii) also supports the statement because it mentions a fact that the large animals get a lot of attention for their risk of extinction than smaller animals.

47. (3)

In this question we have to choose an option which can be inferred from the above statement.

(i) Can be inferred because it is mentioned in the statement that citizens are protesting after they came to know about the cutting of trees which clearly shows their concern for the environment.

(ii) Cannot be inferred as nothing of the sort has been mentioned in the statement. Up in arms is used as an idiom which means they were protesting violently.

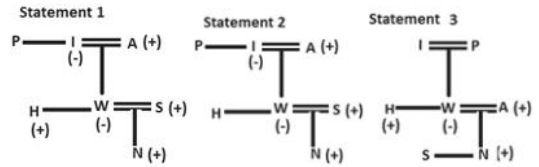
(iii) Can also be inferred as it is mentioned in the statement that trees were felled even after Environment minister's assurance which clearly shows his unreliability.

48. (1)

From I and II, we get-

Words	Code
Has	du
North	hp
Dispatch/unusual	Pu/la
Recent	Ph
Ramp	Pa
Launched	ta
Month	lp

49. (5) All statements together are not sufficient to answer the question.



50. (2) From 1st and 3rd statement we get-

