**1.2 sequencing and ordering**

**Solution Exercise – Easy**

1. (d)

The number of presents costlier than Grandfather and cheaper than Grandmother are same and total no presents are 5, so we cannot have more than 1 present costlier than Grandfather and more than 1 cheaper than Grand-mother. And using the remaining conditions we get the following order of cost for the presents.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Father |  | Grand-  father |  | Mother |  | Grand-  mother |  | Brother |
| Costliest |  |  |  |  |  |  |  | Cheapest |

2. (b)

On basis of the information the ranking of cars on power is BMW 8 > Audi A9 > Mercedes B.

While for the speed we don’t have a specific order for the cars.

3. (c)

According to the information we know:

Western > Harbor & Eastern ; Southern > Central > Harbor, as the Harbor cannot have the least number of passengers and hence Eastern will have the lowest number of passengers travelling through it.

4. (b)

According to the information given we get the following arrangement for the positions (it will be the same for speed as speed determines the position):

Gay > Bolt > Powell > Green

**Solutions for 5 – 9:**

From the information given we get the following information about the various bats:

MRF = x

Britannia = x/2

TVS = x/9

Ceat = 2x/9

Wills = 4x/9

The order of the bats will be:

MRF > Britannia > Wills > Ceat > TVS

5. (c)

6. (b)

7. (d)

8. (a)

9. (a)

**Solutions for 10 – 14:**

On basis of the information given we get the following arrangements:

|  |  |  |
| --- | --- | --- |
| **Case 1** | **Case 2** | **Case 3** |
| WTC | WTC | WTC |
| CT 101 | CT 101 | CT 101 |
| AlBurj | AlBurj | Wall |
| Petronas | Wall | AlBurj |
| Wall | Petronas | Petronas |
| Khalifa | Khalifa | Khalifa |

10. (a)

11. (d)

12. (d)

13. (d)

14. (d)

**Solutions 15 – 17:**

On basis of the information given we get the following arrangement:

|  |  |
| --- | --- |
| Sunday | BLP |
| Monday | ----- |
| Tuesday | KLP |
| Wednesday | NP |
| Thursday | IND |
| Friday | CIP |
| Saturday | AAT |

15. (a)

16. (a)

17. (d)

**Solutions 18 – 20:**

On basis of the information given we get the following arrangement:

|  |  |
| --- | --- |
| 22nd | Andhra Pradesh |
| 23rd | ----- |
| 24th | Maharashtra |
| 25th | Assam |
| 26th | Punjab |
| 27th | West Bengal |
| 28th | Bihar |

18. (d)

19. (d)

20. (d)

1. (a)

Senthil > Bala > Karthik > Gopi

Senthil is elder to Karthik and Bala, also Gopi is younger to Karthik. Hence Senthil is the eldest.

2. (c)

On basis of the information we get the following arrangement:

|  |  |
| --- | --- |
| **Position** | **Girl** |
| 1st | Priya/Kamla |
| 2nd | Priya/Kamla |
| 3rd | Suman |
| 4th | Rani/Megha |
| 5th | Rani/Megha |

**Solutions for 3 – 5:**

On basis of the information given we get the following arrangement:

|  |  |  |
| --- | --- | --- |
| **Rank** | **Digital Circuits** | **Electronic Devices** |
| 1 | Nitin | Vicky |
| 2 | Vicky | Karan |
| 3 | Karan | Nitin |
| 4 | Leenesh | Akshat |
| 5 | Akshat | Leenesh |

3. (a)

4. (d)

5. (a)

**Solutions for 6 – 7:**

On basis of the information given we get the following arrangement:

|  |  |  |
| --- | --- | --- |
| **Rank** | **Runs Scored** | **Average** |
| 1 | Sehwag | Saruyu |
| 2 | Bundella | Reddy |
| 3 | Reddy | Bundella |
| 4 | Saruyu | Yuvraj |
| 5 | Yuvraj | Sehwag |

6. (b)

7. (d)

**Solutions for 8 – 12:**

On basis of the information given we get the following arrangement:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Rank** | **Physical** | **Psychometric** | **Endurance** | **Personality** |
| 1 | Kumar | Ratan | Rajan | Sanju |
| 2 | Ratan | Sanju | Kumar | Rajan |
| 3 | Rajan | Kumar | Sanju | Ratan |
| 4 | Sanju | Rajan | Ratan | Kumar |

8. (d)

9. (d)

10. (b)

11. (c)

12. (d)

**Solutions for 13 – 17:**

On basis of the information given we get the following arrangement:

|  |  |  |
| --- | --- | --- |
| **Rank** | **Height** | **Weight** |
| 1 | Lalit/Sunil | Sunil |
| 2 | Lalit/Sunil | Vishal/Lalit |
| 3 | Sachin | Vishal/Lalit |
| 4 | Vishal | Sachin |

13. (d)

14. (d)

15. (c)

16. (c)

17. (d)

We get the following arrangement with the additional information:

|  |  |  |
| --- | --- | --- |
| **Rank** | **Height** | **Weight** |
| 1 | Lalit | Sunil |
| 2 | Sunil | Vishal/Lalit |
| 3 | Sachin | Vishal/Lalit |
| 4 | Vishal | Sachin |

**Solutions for 18 – 22:**

On basis of the information given we get the following arrangement:

|  |  |
| --- | --- |
| **Rank** | **Player** |
| 1 | Nadal/Nalbandian |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 | Nadal/Nalbandian |

Federer has to get a higher rank than Murray, means Federer will be either 2nd or 3rd and Murray will be either 3rd or 4th.

18. (a)

Federer has more points than Murray, so Murray can never have 2nd position.

19. (c)

By using the additional information we get the following arrangement:

|  |  |
| --- | --- |
| **Rank** | **Player** |
| 1 | Nadal/Nalbandian |
| 2 | Djokovic |
| 3 | Federer |
| 4 | Murray |
| 5 | Nadal/Nalbandian |

20. (c)

There will 3 possible arrangements:

● Nadal > Federer > Murray > Djokovic > Nalbandian

● Nadal > Federer > Djokovic > Murray > Nalbandian

● Nadal > Djokovic > Federer > Murray > Nalbandian

21. (c)

22. (d)

By using the additional information we get the following 2 arrangements:

|  |  |  |
| --- | --- | --- |
| **Rank** | **Case 1** | **Case 2** |
| 1 | Nadal | Nalbandian |
| 2 | Djokovic | Djokovic |
| 3 | Federer | Federer |
| 4 | Murray | Murray |
| 5 | Nalbandian | Nadal |

**Solutions for 23 – 25:**

On basis of the information given we get the following arrangement:

|  |  |  |
| --- | --- | --- |
| **Rank** | **Height** | **Age** |
| 1 | Rupa | Neelam |
| 2 | Kamini | Rupa = Monika |
| 3 | Neelam | Kamini/Pooja |
| 4 | Pooja | Kamini/Pooja |
| 5 | Monika |  |

23. (d)

24. (d)

25. (a)

**Solutions for 1 – 2:**

1. (b)

Elle is 3 times older than Yogesh and Zaheer is half the age of Wahida. If Wahida is 2*x*-year-old, then Zaheer is *x*.

Now Yogesh > Zaheer Yogesh > *x*

Elle is 3 times older than Yogesh. Which means Elle is older than Wahida as 3*x* > 2*x*.

2. (c)

From (a) Zaheer is 10-year-old means Wahida is 20-year-old. From (b) Yogesh and Wahida are older than Zaheer by same number of years. This means Yogesh is 20-year-old. Now Elle is 3 times older than Yogesh. Elle is 20 × 3 = 60-year-old. Hence, we see that both (a) and (b) statements are needed so the answer is (c).

**Solutions for 3 – 5:**

3. (a)

Since C and D cannot be together, they can occupy either of the following seats: (1st and 3rd), (1st and 4th) or (2nd and 4th). In the last two cases, since B cannot be in the 3rd place, A will have to be there. Thus, we can see that A can never be in the 1st place. Hence, statement (a) is false.

4. (c)

Since neither A nor B can be at 3rd place, this place has to be occupied by either D or C. And if either of them occupies this place, the other one has to occupy the 1st place (since D and C cannot be together). Hence, C can only occupy either 1st or 3rd place.

5. (b)

If A and B are together, but C and D are not, then the only places that A and B can occupy are 2nd and 3rd. And since B cannot be at 3rd place, A has to be at 3rd place.

**Solutions for 6 – 8:**

On basis of the information given we get the following arrangement:

|  |  |  |  |
| --- | --- | --- | --- |
| **Length** | **Weight (Case 1)** | **Weight (Case 2)** | **Weight (Case 3)** |
| R6 | R2 | R2 | R2 |
| R1 | R6 | R6 | R6 |
| R2 | R3 | R3 | R3 |
| R5 | R5 | R1 | R5 |
| R4 | R1 | R5 | R4 |
| R3 | R4 | R4 | R1 |

6. (d)

7. (a)

8. (c)

R1 will have 6 or 7 or 8 points, R2 will have 4 points, R3 will have 9 points, R4 will have either 10 or 11 points, R5 will have 8 or 9 points and R6 will have 3 points. So, R4 has the highest total always.

**Solutions for 9 to 11:**

On basis of the information given we get the following arrangement:

|  |  |  |
| --- | --- | --- |
| **Rank** | **Length** | **Waist** |
| 1 | T2 | T5 |
| 2 | T1 | T4 |
| 3 | T5 | T3 |
| 4 | T3 | T2 |
| 5 | T4 | T1 |

9. (a)

10. (b)

11. (d)

**Solutions for 12 – 14:**

On basis of the information given we get the following arrangement:

|  |  |  |
| --- | --- | --- |
| **Rank** | **Cooking** | **Singing** |
| 1 | Karan | Vikas |
| 2 | Hitesh/Sanjeev | Hitesh |
| 3 | Hitesh/Sanjeev | Sanjeev |
| 4 | Vikas | Rahul |
| 5 | Rahul | Karan |

12. (d)

13. (b)

14. (d)