Directions (1-5):
1. Answer: C
2. Answer: B
3. Answer: C
4. Answer: E
5. Answer: A

Solution:

Directions (6-8):
6. Answer: B
7. Answer: C
8. Answer: A

Solution:

Directions (9-13):
9. Answer: D
10. Answer: B
11. Answer: E
12. Answer: E
13. Answer: D

Common Explanation:

<table>
<thead>
<tr>
<th>Month</th>
<th>Case (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>B - Filter</td>
</tr>
<tr>
<td>April</td>
<td>A - Coffee</td>
</tr>
<tr>
<td>May</td>
<td>D - Dripper</td>
</tr>
<tr>
<td>June</td>
<td>F - Soda</td>
</tr>
<tr>
<td>July</td>
<td>C - Tea</td>
</tr>
<tr>
<td>December</td>
<td>E - Juice</td>
</tr>
</tbody>
</table>

We have:
Memory Based Paper – SBI PO Prelims 2020-21 (Reasoning Ability) - Answers

- Coffee was launched in a month having 30 days.
- One person launches between the one who launches Coffee and F, which was not launched in a month having 31 days. That means, in case (1) F was launched in June, in case (2) F was launched in April.
- Juice was launched in December.
- Two persons launches between A and the one who launches Tea, which was launched in one of the month having 31 days.
- A neither launches Juice nor Soda. That means, in case (1) A launches coffee in April, in case (2) A launches coffee in June.

Based on the above-given information we have:

<table>
<thead>
<tr>
<th>Month</th>
<th>Case (1)</th>
<th>Case (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>B – Filter</td>
<td>Tea</td>
</tr>
<tr>
<td>April</td>
<td>A – Coffee</td>
<td>F</td>
</tr>
<tr>
<td>May</td>
<td>D – Dripper</td>
<td>D</td>
</tr>
<tr>
<td>June</td>
<td>F – Soda</td>
<td>A – Coffee</td>
</tr>
<tr>
<td>July</td>
<td>C – Tea</td>
<td></td>
</tr>
<tr>
<td>December</td>
<td>E – Juice</td>
<td>Juice</td>
</tr>
</tbody>
</table>

Case (2) is not valid as Soda was launched just after the drink launched by D.

14) Answer: A
Solution:

Again, we have:
- Three persons launches between C and the one who launches Filter.
- Two persons launches between the one who launches Dripper and E. That means, E launches Juice.

Based on the above-given information we have the final arrangement as follows:

15) Answer: E
Solution:
Memory Based Paper – SBI PO Prelims 2020-21 (Reasoning Ability) - Answers

Based on the above-given information we have:

Case (1): G ___ ___ A ___ T ___

Case (2): A ___ ___ G ________ T ___

Again, we have:

- The number of persons sitting between A and T is the same as the number of persons sitting between A and H.
- J sits four places away from H and sits second from either end. That means, in case (2) J sits second from the left end, case (1) is not valid.
- One person sits between D and J. That means, D sits second to the right of J.

Based on the above-given information we have the final arrangement as follows:

Case (1): ___ J ___ G ___ H ___ A ___ T ___

Case (2): ___ J ___ D ___ H _____________ A ___ G ________ T ___

Case (1) is not valid as J sits second from either end.

Directions (21-24):
21. Answer: D
22. Answer: B
23. Answer: E
24. Answer: A

Explanation:
F + B = 41 + B = 78 => B = 37
A + D = 27 + D = 80 => D = 53
B + D = 37 + 53 = 90
Hence, option B is correct.

F > E (41) > D > C > B (27) > A
Either D or C will have 39 litres of milk.

Hence, option E is correct.

24. Answer: C

Solution:
From the given statements, the following order was formed.

D > F (41 l) > B > E > A (27 l) > C

Directions (25-29):
25. Answer: C
26. Answer: B
27. Answer: C
28. Answer: E
29. Answer: D

Common Explanation:

We have:

• Two persons were born between B and the one who belongs to Manali.
  That means, in case (2) the one who belongs to Manali was born on 13 June, case (1) is not valid.

Based on the above-given information we have:

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Case (1)</th>
<th>Case (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>May</td>
<td>13</td>
<td>A</td>
<td>C - Mussoorie</td>
</tr>
<tr>
<td>May</td>
<td>20</td>
<td></td>
<td>B</td>
</tr>
<tr>
<td>June</td>
<td>13</td>
<td></td>
<td>Manali</td>
</tr>
<tr>
<td>June</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>July</td>
<td>13</td>
<td>C - Mussoorie</td>
<td>A</td>
</tr>
<tr>
<td>July</td>
<td>20</td>
<td></td>
<td>B</td>
</tr>
</tbody>
</table>

Case (1) is not valid as two persons were born between B and the one who belongs to Manali.

Again, we have:

• The one who belongs to Shilong was born just after the one who belongs to Shimla.
• Neither A nor D belongs to Shimla.
  That means, A belongs to Shilong.
• Two persons were born between F and the one who belongs to Gangtok.
  That means, B belongs to Gangtok.

Based on the above-given information we have the final arrangement as follows:

- A was born on an odd date.
- Three persons were born between A and C, who belongs to Mussoorie. That means, in case (1) A was born on 13 May, in case (2) A was born on 13 July.
- A and B were born in the same month.
<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Case (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>May</td>
<td>13</td>
<td>C - Mussoorie</td>
</tr>
<tr>
<td>May</td>
<td>20</td>
<td>D - Imphal</td>
</tr>
<tr>
<td>June</td>
<td>13</td>
<td>F - Manali</td>
</tr>
<tr>
<td>June</td>
<td>20</td>
<td>E - Shimla</td>
</tr>
<tr>
<td>July</td>
<td>13</td>
<td>A - Shilong</td>
</tr>
<tr>
<td>July</td>
<td>20</td>
<td>B - Gangtok</td>
</tr>
</tbody>
</table>

30) Answer: B  
Explanation:  
\[\text{CARBONIZE}\]  
Hence, option B is correct.

Directions (31-35):
31. Answer: E  
32. Answer: B  
33. Answer: D  
34. Answer: E  
35. Answer: B  

Common Explanation:
We have:
- Only L and Q visited the same department but not in the IT department.
  That means, in case (1) L and Q visited the HR department, in case (2) L and Q visited Production.
- K and R visited in the same department but not along with O.
  
Based on the above-given information we have:

<table>
<thead>
<tr>
<th>Month</th>
<th>Case (1)</th>
<th>Case (1a)</th>
<th>Case (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production</td>
<td>O</td>
<td>KR</td>
<td>LQ</td>
</tr>
<tr>
<td>HR</td>
<td>LQ</td>
<td>LQ</td>
<td></td>
</tr>
<tr>
<td>IT</td>
<td>KR</td>
<td>O</td>
<td></td>
</tr>
</tbody>
</table>

Case (2) is not valid as Neither O nor K visited the HR department.

Again, we have:
- P and J visited in the same department but not in the IT department.
- N neither visited in the same department along with O nor M.
  That means, N and R visited the same department.

Based on the above-given information we have the final arrangement as follows:

<table>
<thead>
<tr>
<th>Month</th>
<th>Case (1)</th>
<th>Case (1a)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production</td>
<td>PJOM</td>
<td>KRPJ</td>
</tr>
<tr>
<td>HR</td>
<td>LQ</td>
<td>LQ</td>
</tr>
<tr>
<td>IT</td>
<td>KRN</td>
<td>O</td>
</tr>
</tbody>
</table>

Case (2) is not valid as N neither visited the same department along with O nor M.