Directions (1-2):

S1. Ans.(b)

The alphabets are arranged according to the direction of arrows.

<table>
<thead>
<tr>
<th>A5</th>
<th>LM3</th>
<th>FT2</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZU8</td>
<td>BC6</td>
<td>G5</td>
</tr>
<tr>
<td>S7</td>
<td>MO</td>
<td></td>
</tr>
</tbody>
</table>

In step 3, the elements arranged in the first and third column in the same column in such way that the element in third row placed in first row and first row element is placed in second row and second row element is placed in third row. The alphabet of first row second column is replaced with the alphabet which is placed three places after the alphabet in alphabetical series. The alphabet of third row second column is replaced with the alphabet which is placed five places after the alphabet in alphabetical series.

<table>
<thead>
<tr>
<th>MO2</th>
<th>S3</th>
<th>G2</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB8</td>
<td>ZU6</td>
<td></td>
</tr>
<tr>
<td>FT5</td>
<td>LM7</td>
<td>A</td>
</tr>
</tbody>
</table>

Step-1

<table>
<thead>
<tr>
<th>MO2</th>
<th>S3</th>
<th>G2</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB8</td>
<td>ZU3</td>
<td></td>
</tr>
<tr>
<td>FT5</td>
<td>KL7</td>
<td>A</td>
</tr>
</tbody>
</table>

Step-2

In step 3, the elements arranged in the first and third column in the same column in such way that the element in third row placed in first row and first row element is placed in second row and second row element is placed in third row. The alphabet of first row second column is replaced with the alphabet which is placed three places after the alphabet in alphabetical series. The alphabet of third row second column is replaced with the alphabet which is placed five places after the alphabet in alphabetical series.

<table>
<thead>
<tr>
<th>FT5</th>
<th>V3</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>MO2</td>
<td>G2</td>
<td></td>
</tr>
<tr>
<td>AB8</td>
<td>ZU3</td>
<td></td>
</tr>
</tbody>
</table>

Step-3

Sol.

S2. Ans.(d)

The alphabets are arranged according to the direction of arrows.
Step-1

<table>
<thead>
<tr>
<th>MO5</th>
<th>S3</th>
<th>G2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BC8</td>
<td>ZU6</td>
<td></td>
</tr>
<tr>
<td>FT5</td>
<td>LM7</td>
<td>A</td>
</tr>
</tbody>
</table>

Step-2

In step 3, the elements arranged in the first and third column in the same way that the element in third row placed in first row and first row element is placed in second row and second row element is placed in third row. The alphabet of first row second column is replaced with the alphabet which is placed three places after the alphabet in alphabetical series. The alphabet of third row second column is replaced with the alphabet which is placed five places after the alphabet in alphabetical series.

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<th>V3</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>MO2</td>
<td>G2</td>
<td></td>
</tr>
<tr>
<td>AB8</td>
<td>PQ7</td>
<td>ZU3</td>
</tr>
</tbody>
</table>

Step-3

Sol.

Directions (3-4):

S3. Ans.(d)
Sol. As stated in statement America is not taking any steps to address the issue, so to calm down the situation Indian Govt. may pressurize American Govt. or they may be impact on Indian-US trade. And as stated in statement America is not taking any action despite of racism attack on Indians which results death of two citizens. So it cannot be assumed that American Govt. will give life imprisonment according to the statement.

S4. Ans.(c)
Sol. All of three supports the negligence of Indian-American Govt. as Modi Govt. denies replying in same week after racial attack. American Govt. is not ready tackle the issue despite of environment of racism is spreading.

Directions (5-7):

S5. Ans.(d)
Sol.

S6. Ans.(b)
Directions (8-10):
S8. Ans.(d)
Sol. train is scheduled at= 5 hour 10 minute = 
Time should he leave to reach the station 5 minute earlier= 5 hour 10 minute-(25+5) minute= 4 hour 40 minute

S9. Ans.(a)
Sol. 4 hour 15 minute

S10. Ans.(b)
Sol. Scheduled time of departure of train= @%= 8:00 PM
Time for travel+ early arrival= 4 hour 15 minutes + 25 minutes = 4 hour 40 minutes
8:00 PM- 4 hour 40 minutes= 3:20 PM= £$

Directions (11-15):
S11. Ans.(b)

S12. Ans.(e)
S13. Ans.(a)

Sol.

S14. Ans.(d)

Sol.

S15. Ans.(d)

Sol.

S16. Ans.(a)

Sol. Statement (a) is the correct option because it clearly strengthen the argument that persons with sufficient qualification prefer to go to industrial field rather than to go in academics as a faculty in business schools.
S17. Ans.(d)
Sol. Option (d) is an assumption. Any appeal has some effects and people generally respond positively to any appeal.

Directions (18-20):

S18. Ans. (d)
For step-I, both the numbers of 1st block is written as, Ist number of block-1 of the Input is multiplied with 2nd no. of block-4 of the Input same as 2nd number of block-1 is multiplied with 1st number of block-4. This process is same for Block-2 and Block-3 in step-1.
For step-II, All 1st digit of each block is added and that sum is written in 1st block and all 2nd digit of each block is added and that sum is written as 2nd block.
For step-III, Half of the addition of 1st and 2nd digit of each block.
For step- IV, Subtraction of both numbers of Step-3.
So,

INPUT: 42 51 29 32 71 14
Step-1: 86 57 89
Step-2: ....21....22....
Step-3: ....1.5....2....
Step-4:.....0.5......

S19. Ans. (b)
For step-I, both the numbers of 1st block is written as, Ist number of block-1 of the Input is multiplied with 2nd no. of block-4 of the Input same as 2nd number of block-1 is multiplied with 1st number of block-4. This process is same for Block-2 and Block-3 in step-1.
For step-II, All 1st digit of each block is added and written in 1st block and all 2nd digit of each block is added and written as 2nd block.
For step-III, Half of the addition of 1st and 2nd digit of each block.
For step- IV, Subtraction of both numbers of Step-3.
So,

INPUT: 42 51 29 32 71 14
Step-1: 86 57 89
Step-2: ....21....22....
Step-3: ....1.5....2....
Step-4:.....0.5......
For step-I, both the numbers of 1st block is written as, 1st number of block-1 of the Input is multiplied with 2nd no. of block-4 of the Input same as 2nd number of block-1 is multiplied with 1st number of block-4. This process is same for Block-2 and Block-3 in step-I.

For step-II, All 1st digit of each block is added and written in 1st block and all 2nd digit of each block is added and written as 2nd block.

For step-III, Half of the addition of 1st and 2nd digit of each block.

For step-IV, Subtraction of both numbers of Step-3.

So,

INPUT: 42 51 29 32 71 14
Step-1: 86 57 89
Step-2: ...21...22....
Step-3: ....1.5....2....
Step-4:......0.5......

S20. Ans. (b)

For step-I, both the numbers of 1st block is written as, 1st number of block-1 of the Input is multiplied with 2nd no. of block-4 of the Input same as 2nd number of block-1 is multiplied with 1st number of block-4. This process is same for Block-2 and Block-3 in step-I.

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For step-III, Half of the addition of 1st and 2nd digit of each block.

For step-IV, Subtraction of both numbers of Step-3.

So,

INPUT: 42 51 29 32 71 14
Step-1: 86 57 89
Step-2: ...21...22....
Step-3: ....1.5....2....
Step-4:......0.5......

S21. Ans.(d)

Sol. Both I and II can't be assumed from the given statement as statement I is vague and II statement is also not implicit because it is not clear from the given statement that whether people are interested in such news or not.

Directions (22-23):
S22. Ans.(c)
   From all the statements

S23. Ans.(a)
   Sol.

S24. Ans.(d)
   Sol. Option (d) contradicts the views expressed in the statement.

Directions (25-26):
S25. Ans.(d)

S26. Ans.(e)

Directions (27-28):
S27. Ans.(e)

Sol.
S28. Ans.(a)

Sol.

Directions (29-30):

S29. Ans.(b)
Sol. The disease occurs at the end of monsoons every year. So, precautionary measures every four years shall not help. The second course of action shall be a preventive measure. So, only course II follows.

S30. Ans.(e)
Sol. Clearly, the library needs to be provided with the essential facilities and trained personnel for better services. So, both the courses follow.

Direction (31-35):

S31. Ans.(c)

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Lecturer</th>
<th>No. of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>April</td>
<td>7</td>
<td>R</td>
<td>72</td>
</tr>
<tr>
<td>April</td>
<td>21</td>
<td>U</td>
<td>84</td>
</tr>
<tr>
<td>May</td>
<td>7</td>
<td>P</td>
<td>67</td>
</tr>
<tr>
<td>May</td>
<td>21</td>
<td>V</td>
<td>55</td>
</tr>
<tr>
<td>June</td>
<td>7</td>
<td>T</td>
<td>80</td>
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<tr>
<td>June</td>
<td>21</td>
<td>Y</td>
<td>68</td>
</tr>
<tr>
<td>September</td>
<td>7</td>
<td>Q</td>
<td>64</td>
</tr>
<tr>
<td>September</td>
<td>21</td>
<td>X</td>
<td>78</td>
</tr>
<tr>
<td>December</td>
<td>7</td>
<td>S</td>
<td>77</td>
</tr>
<tr>
<td>December</td>
<td>21</td>
<td>W</td>
<td>69</td>
</tr>
</tbody>
</table>

Sol.

S32. Ans. (d)

<table>
<thead>
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<th>Month</th>
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</thead>
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<tr>
<td>December</td>
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<td>W</td>
<td>69</td>
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</table>

Sol.

S33. Ans. (a)

<table>
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<th>Month</th>
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<tbody>
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<td>R</td>
<td>72</td>
</tr>
</tbody>
</table>

Sol.
Directions (36-37):
S36. Ans.(d)
Sol. 6, 12, 14, 20 – I, D, T, R
Word formed is DIRT. So second letter – I

2 - U
4 - A
6 - I
8 - C
10 - P
12 - D
14 - T
16 - E
18 - N
20 - R
22 -
24 - S

S37. Ans.(c)
Sol. 10 is P. So 3 letters between 10 and 22. P + 3 = T, but T is already written. We cannot repeat any letter. So P – 3 = L
So against 22 is L
Now 18 is N. 22 is L. So between them is only 1 letter in English alphabetical series i.e. M

2 - U
4 - A
6 - I
8 - C
10 - P
12 - D
14 - T
16 - E
18 - N
20 - R
22 - L
24 - S

S38. Ans.(c)
Sol. Statement (c) is the correct option because according to this, the increase in crime rate has been contributed by other factors, not leniency in the punishment, so it weakens the given passage.

Directions (39-43):
S39. Ans.(c)
Each glass slab is 15 cm and photo frame is 6 cm. Total length of row-1 is 267 and that of row 2 is 249 cm.

Room-2

Silver) Black) Orange) Green) Blue
6 7 8 9 10
36 cm 42 cm 51 cm 39 cm 63 cm

Room-1

(Yellow) (Pink) (White) (Violet) (Red)
1 2 3 4 5

S40. Ans.(e)
Each glass slab is 15 cm and photo frame is 6 cm. Total length of row-1 is 267 and that of row 2 is 249 cm.

Room-2

Silver) Black) Orange) Green) Blue
6 7 8 9 10
36 cm 42 cm 51 cm 39 cm 63 cm

Room-1

(Yellow) (Pink) (White) (Violet) (Red)
1 2 3 4 5

Sol.
S41. Ans.(b)
Each glass slab is 15 cm and photo frame is 6 cm. Total length of row-1 is 267 and that of row 2 is 249 cm.

Sol.

S42. Ans.(c)
Each glass slab is 15 cm and photo frame is 6 cm. Total length of row-1 is 267 and that of row 2 is 249 cm.

Sol.

S43. Ans.(b)
Each glass slab is 15 cm and photo frame is 6 cm. Total length of row-1 is 267 and that of row 2 is 249 cm.

Sol.

S44. Ans.(d)
Sol. Most logically such comparison should reveal mortality rate per thousand doctors indulged in SARS treatment and not indulged in treatment. so statement (d) is the correct option.

S45. Ans.(b)
Sol.