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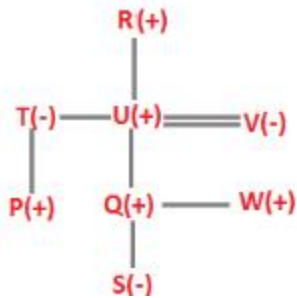
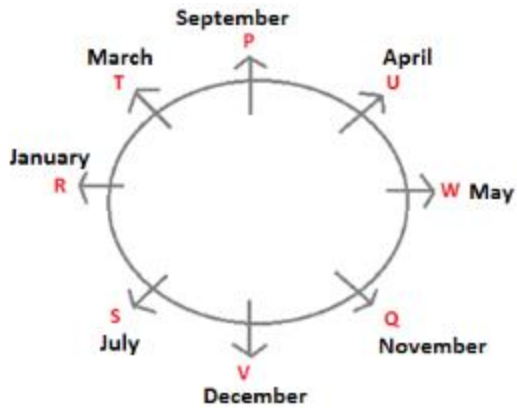
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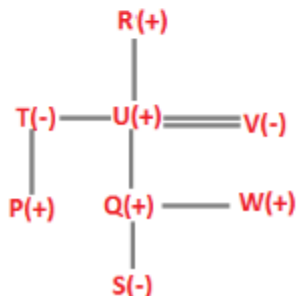
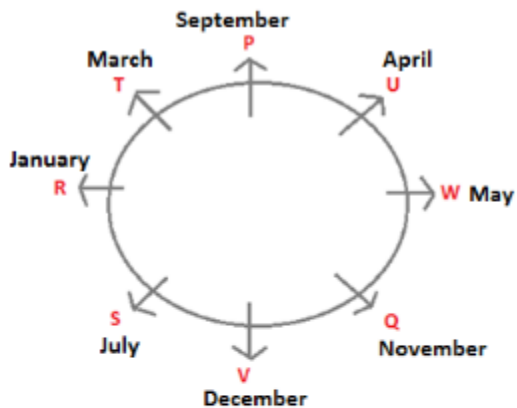
S1. Ans.(a)

Sol.



S2. Ans.(e)

Sol.



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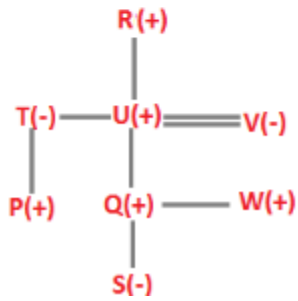
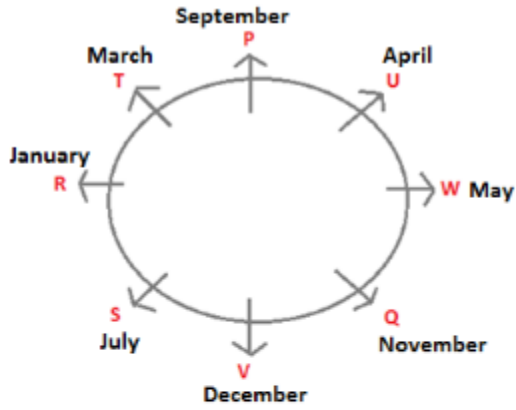
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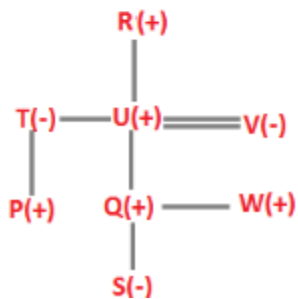
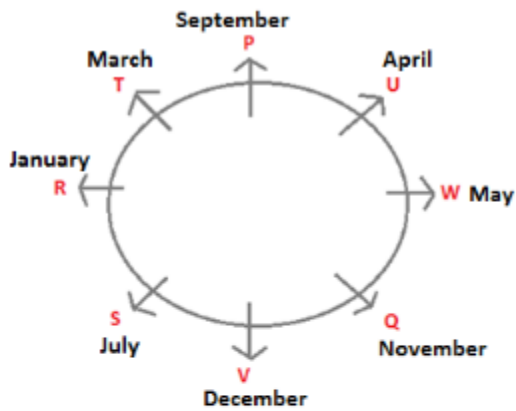
S3. Ans.(e)

Sol.



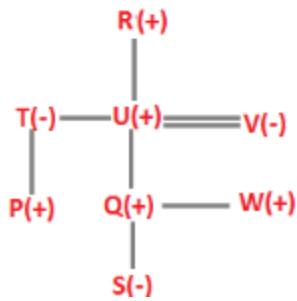
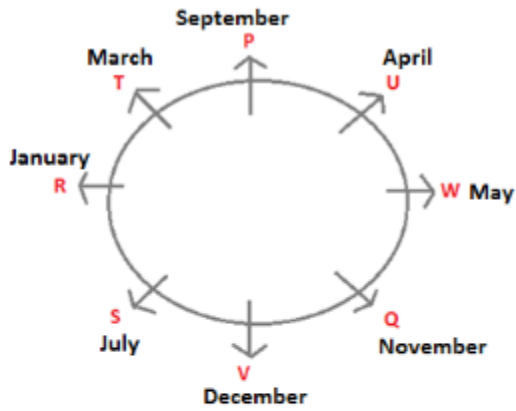
S4. Ans.(a)

Sol.



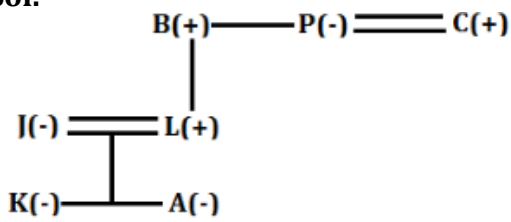
S5. Ans.(c)

Sol.



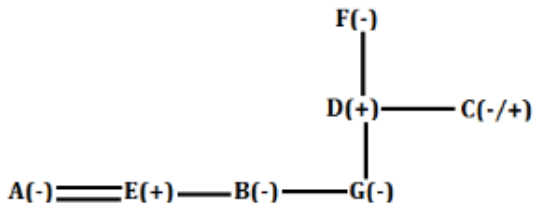
S6. Ans(d)

Sol.



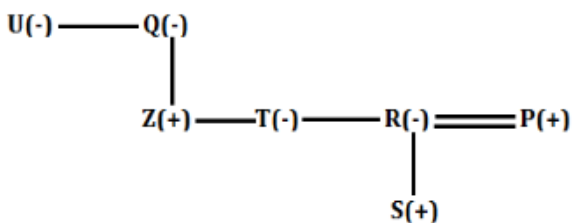
S7. Ans(b)

Sol.



S8. Ans(c)

Sol.



S9. Ans.(e)

Sol. Description: We have to find from the given point, which point can be assumed from the given passage. For I- As mentioned in above given paragraph that this was project was launched in a rally before Assembly polls in the state. So, it may be launched as keeping state election in mind.

For II- As it is mentioned by PM Modi this project will save time and petrol. So, it can be assumed as this project is for the convenience of people.

For III- There is no hint from PM Modi about implementation of Ferry service in all over India. So, it can't be assumed.

S10. Ans.(d)

Sol. Description: We have to choose that point which nullifies the intention of PM Modi for development in Gujrat.

For I- It nullifies because it shows a negative side of BJP govt. as there was no development in projects after winning election in UP.

For II- It has no direct contact with the theme which was mentioned above.

For III- It is out of the context of theme which was mentioned above.

S11. Ans.(c)**Sol.**

| Floor | Person | Cold Drink |
|-------|--------|------------|
| 8 | W | Frooti |
| 7 | K | Maaza |
| 6 | M | Fanta |
| 5 | J | Limca |
| 4 | X | Mirinda |
| 3 | Y | Pepsi |
| 2 | L | Sprite |
| 1 | Z | Appy |

**S12. Ans.(c)****Sol.**

| Floor | Person | Cold Drink |
|-------|--------|------------|
| 8 | W | Frooti |
| 7 | K | Maaza |
| 6 | M | Fanta |
| 5 | J | Limca |
| 4 | X | Mirinda |
| 3 | Y | Pepsi |
| 2 | L | Sprite |
| 1 | Z | Appy |



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S13. Ans.(c)

Sol.

| Floor | Person | Cold Drink |
|-------|--------|------------|
| 8 | W | Frooti |
| 7 | K | Maaza |
| 6 | M | Fanta |
| 5 | J | Limca |
| 4 | X | Mirinda |
| 3 | Y | Pepsi |
| 2 | L | Sprite |
| 1 | Z | Appy |

S14. Ans.(d)

Sol.

| Floor | Person | Cold Drink |
|-------|--------|------------|
| 8 | W | Frooti |
| 7 | K | Maaza |
| 6 | M | Fanta |
| 5 | J | Limca |
| 4 | X | Mirinda |
| 3 | Y | Pepsi |
| 2 | L | Sprite |
| 1 | Z | Appy |



S15. Ans.(d)

Sol.

| Floor | Person | Cold Drink |
|-------|--------|------------|
| 8 | W | Frooti |
| 7 | K | Maaza |
| 6 | M | Fanta |
| 5 | J | Limca |
| 4 | X | Mirinda |
| 3 | Y | Pepsi |
| 2 | L | Sprite |
| 1 | Z | Appy |

S16. Ans(d)

Sol. Logic behind this Question and let's understand how to solve it. When we see each step, then we can find that -

The machine rearranges one word and one number in each step simultaneously, words are arranged from left end and numbers are arranged from right end to left end.

(i) In this, words are arranged in alphabetic decreasing manner according to the last letter of the word.

(ii) Numbers are arranged in increasing order, first all prime numbers are arranged after that non-prime numbers are arranged.

Input- 11 25 input 61 focus 83 42 study machine 57 when step

Step I: study 25 input 61 focus 83 42 machine 57 when step 11

Step II: study input 25 focus 83 42 machine 57 when step 11 61

Step III: study input focus 25 42 machine 57 when step 11 61 83

Step IV: study input focus step 42 machine 57 when 11 61 83 25

Step V: study input focus step when machine 57 11 61 83 25 42

Step VI: study input focus step when machine 11 61 83 25 42 57

And step VI is the last step of the above input.

S17. Ans(e)

Sol. Logic behind this Question and let's understand how to solve it. When we see each step, then we can find that –

The machine rearranges one word and one number in each step simultaneously, words are arranged from left end and numbers are arranged from right end to left end.

(i) In this, words are arranged in alphabetic decreasing manner according to the last letter of the word.

(ii) Numbers are arranged in increasing order, first all prime numbers are arranged after that non-prime numbers are arranged.

Input- 11 25 input 61 focus 83 42 study machine 57 when step

Step I: study 25 input 61 focus 83 42 machine 57 when step 11

Step II: study input 25 focus 83 42 machine 57 when step 11 61

Step III: study input focus 25 42 machine 57 when step 11 61 83

Step IV: study input focus step 42 machine 57 when 11 61 83 25

Step V: study input focus step when machine 57 11 61 83 25 42

Step VI: study input focus step when machine 11 61 83 25 42 57

And step VI is the last step of the above input.

S18. Ans(b)

Sol. Logic behind this Question and let's understand how to solve it. When we see each step, then we can find that –

The machine rearranges one word and one number in each step simultaneously, words are arranged from left end and numbers are arranged from right end to left end.

(i) In this, words are arranged in alphabetic decreasing manner according to the last letter of the word.

(ii) Numbers are arranged in increasing order, first all prime numbers are arranged after that non-prime numbers are arranged.

Input- 11 25 input 61 focus 83 42 study machine 57 when step

Step I: study 25 input 61 focus 83 42 machine 57 when step 11

Step II: study input 25 focus 83 42 machine 57 when step 11 61

Step III: study input focus 25 42 machine 57 when step 11 61 83

Step IV: study input focus step 42 machine 57 when 11 61 83 25

Step V: study input focus step when machine 57 11 61 83 25 42

Step VI: study input focus step when machine 11 61 83 25 42 57

And step VI is the last step of the above input.

S19. Ans(c)

Sol. Logic behind this Question and let's understand how to solve it. When we see each step, then we can find that –

The machine rearranges one word and one number in each step simultaneously, words are arranged from left end and numbers are arranged from right end to left end.

- (i) In this, words are arranged in alphabetic decreasing manner according to the last letter of the word.
- (ii) Numbers are arranged in increasing order, first all prime numbers are arranged after that non-prime numbers are arranged.

Input- 11 25 input 61 focus 83 42 study machine 57 when step

Step I: study 25 input 61 focus 83 42 machine 57 when step 11

Step II: study input 25 focus 83 42 machine 57 when step 11 61

Step III: study input focus 25 42 machine 57 when step 11 61 83

Step IV: study input focus step 42 machine 57 when 11 61 83 25

Step V: study input focus step when machine 57 11 61 83 25 42

Step VI: study input focus step when machine 11 61 83 25 42 57

And step VI is the last step of the above input.

S20. Ans(b)

Sol. Logic behind this Question and let's understand how to solve it. When we see each step, then we can find that –

The machine rearranges one word and one number in each step simultaneously, words are arranged from left end and numbers are arranged from right end to left end.

- (i) In this, words are arranged in alphabetic decreasing manner according to the last letter of the word.
- (ii) Numbers are arranged in increasing order, first all prime numbers are arranged after that non-prime numbers are arranged.

Input- 11 25 input 61 focus 83 42 study machine 57 when step

Step I: study 25 input 61 focus 83 42 machine 57 when step 11

Step II: study input 25 focus 83 42 machine 57 when step 11 61

Step III: study input focus 25 42 machine 57 when step 11 61 83

Step IV: study input focus step 42 machine 57 when 11 61 83 25

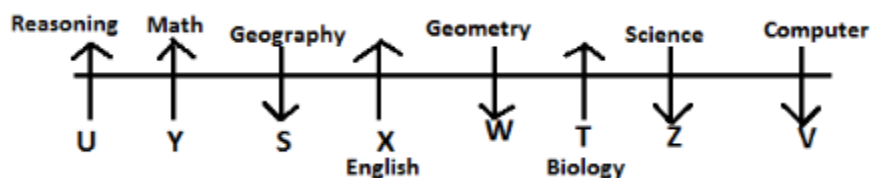
Step V: study input focus step when machine 57 11 61 83 25 42


Step VI: study input focus step when machine 11 61 83 25 42 57

And step VI is the last step of the above input.

S21. Ans.(d)

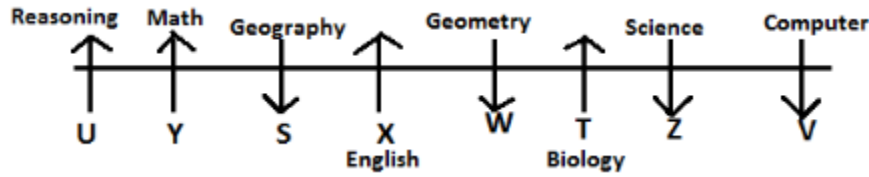
Sol.




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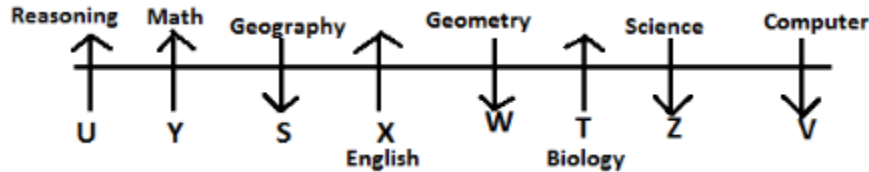
S22. Ans.(e)

Sol.



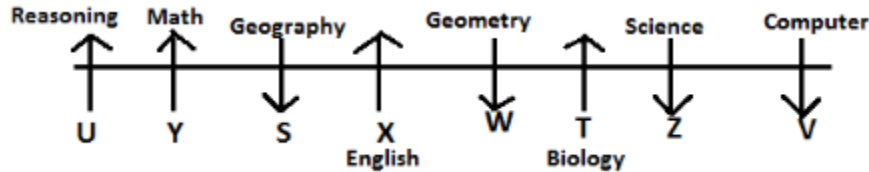
S23. Ans.(e)

Sol.



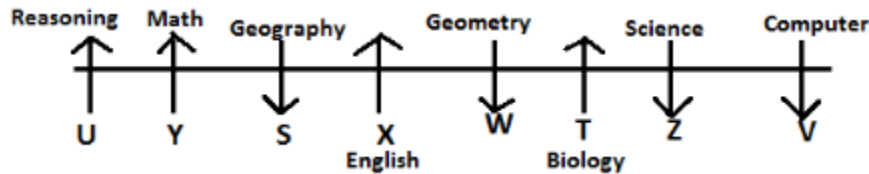
S24. Ans.(b)

Sol.



S25. Ans.(c)

Sol.



S26. Ans.(c)

Sol. Extensive use of antibiotics causes antibiotic resistance when an antibiotic loses its ability to kill or control bacterial growth. This resistance spreads through bacteria population both vertically and horizontally. What can be done to prolong the effectiveness of antibiotics? It can be inferred that the ongoing use of a particular antibiotic will not be effective against future generations of bacteria which have an innate resistance to that antibiotic. What would be effective against them? If a different antibiotic is used, bacteria resistant to one type of antibiotic could be killed. This can continue as the antibiotics are changed. Option (a) will not help because the bacteria are already resistant. Option (b) is irrelevant since use of antibiotics is a part of the argument, so leaving infections untreated is not relevant to the argument. Option (c) can extend the effectiveness of antibiotics. Since developing resistance is applicable, to both strong and mild antibiotics, option (d) is irrelevant.

S27. Ans.(b)

Sol. For I-This cannot be assumed from the given statement because It is nowhere mentioned in the given statement whether BJP government is interested in people's welfare or not.

For II-This can be assumed from the given statement as it is given in the statement that cycling is beneficial for health, environment and economy so it can be assumed that to demolish the cycle tracks, will lead to pollution and accidents.

For III-This cannot be assumed from the given statement as nothing is mentioned about the compensation given by SP government.

S28. Ans.(a)

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

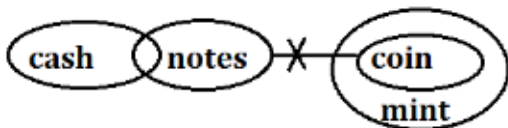
Statement (i) can be assumed as it is given in the statement that Raja was unhappy with Dhoni being given Grade-A despite him being retired from test cricket.

Statement (ii) cannot be assumed as it is not related to the statement.

Statement (iii) is against the statement which considers that giving Grade-A to those cricketers who have retired from test cricket is not good for the game.

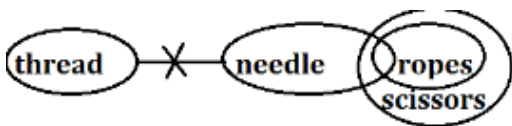
S29. Ans.(c)

Sol.



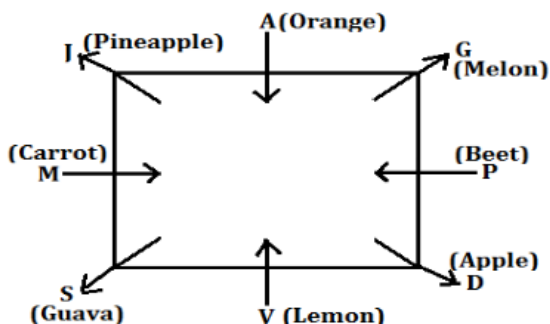
S30. Ans.(a)

Sol.



S31. Ans.(b)

Sol.



NIACL AO (GENERALISTS)

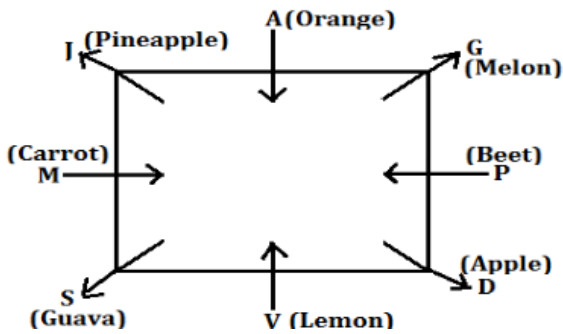
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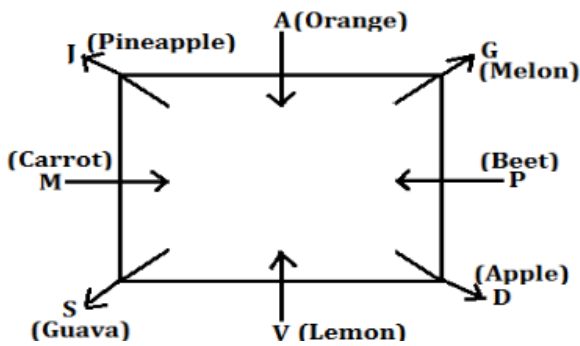
S32. Ans.(d)

Sol.



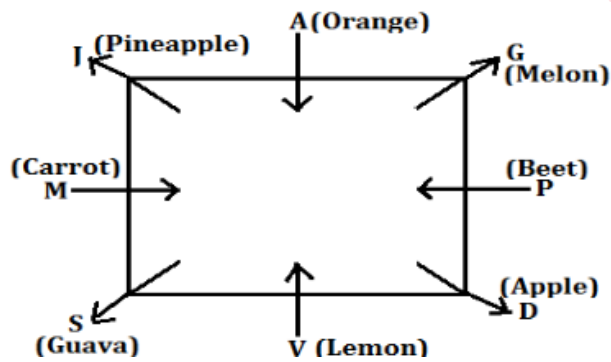
S33. Ans.(c)

Sol.



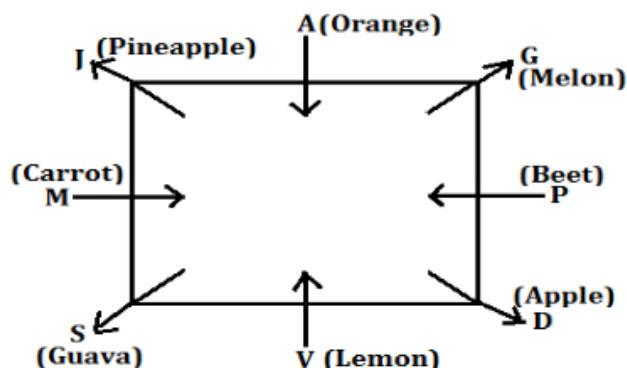
S34. Ans.(e)

Sol.



S35. Ans.(a)

Sol.



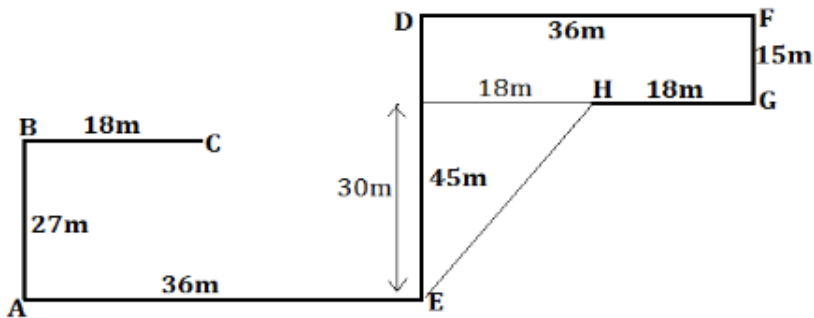
S36. Ans.(e)

S37. Ans.(c)

S38. Ans.(a)

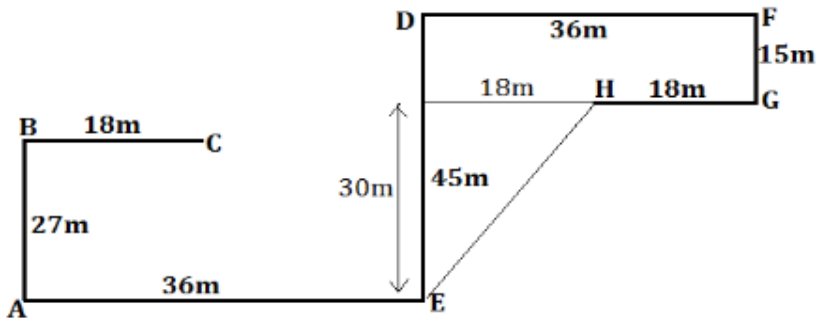
S39. Ans.(c)

Sol.



S40. Ans.(c)

Sol.



S41. Ans.(c)

Sol.

Degree measure of B + D = $360^\circ - (80^\circ - 72^\circ - 74^\circ + 62^\circ)$

= 72°

Also, difference b/w degree measures of B & D = 28°

\therefore Degree measure of B and D is 50° and 22° respectively as B is more than D.

Now total literates in all villages together

$$= \frac{5500}{50} \times 360$$

$$= 39600$$

Illiterate persons in village B

$$= \left(1 - \frac{1}{11}\right) \times 5500$$

$$= 5000$$

Illiterates in Village E

$$= \frac{75}{100} \times \frac{74}{360} \times 39600 = 6105$$

$$\therefore \text{Total sum} = 5000 + 6105 = 11105$$

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S42. Ans.(a)**Sol.**

$$\begin{aligned} \text{Degree measure of B + D} &= 360^\circ - (80^\circ - 72^\circ - 74^\circ + 62^\circ) \\ &= 72^\circ \end{aligned}$$

Also, difference b/w degree measures of B & D = 28°

∴ Degree measure of B and D is 50° and 22° respectively as B is more than D.

Now total literates in all villages together

$$\begin{aligned} &= \frac{5500}{50} \times 360 \\ &= 39600 \end{aligned}$$

Illiterate persons of village A

$$= 39600 \times \frac{80}{360} \times \left(1 + \frac{3}{22}\right) = 10,000$$

$$\therefore \text{Required \%} = \frac{10,000}{39600} \times 100 \approx 25.3\%$$

S43. Ans.(d)**Sol.**

$$\begin{aligned} \text{Degree measure of B + D} &= 360^\circ - (80^\circ - 72^\circ - 74^\circ + 62^\circ) \\ &= 72^\circ \end{aligned}$$

Also, difference b/w degree measures of B & D = 28°

∴ Degree measure of B and D is 50° and 22° respectively as B is more than D.

Now total literates in all villages together

$$\begin{aligned} &= \frac{5500}{50} \times 360 \\ &= 39600 \end{aligned}$$

$$\text{Required ratio} = \frac{A+D}{B+F} = \frac{80^\circ + 22^\circ}{50^\circ + 62^\circ} = \frac{51}{56}$$

S44. Ans.(b)

Sol. Degree measure of B + D = 360° - (80° - 72° - 74° + 62°) = 72°

Also, difference b/w degree measures of B & D = 28°

∴ Degree measure of B and D is 50° and 22° respectively as B is more than D.

Now total literates in all villages together

$$= \frac{5500}{50} \times 360 = 39600$$

Total illiterate male persons in village F

$$= 39600 \times \frac{62}{360} \times \left(1 + \frac{2}{11}\right) \times \frac{15}{26} = 4650$$

Total literate male persons in village F

$$= 39600 \times \frac{62}{360} \times \frac{13}{22} = 4030$$

∴ Total number of males in village F = 4650 + 4030 = 8680

S45. Ans.(c)

Sol. Degree measure of B + D = $360^\circ - (80^\circ - 72^\circ - 74^\circ + 62^\circ) = 72^\circ$

Also, difference between degree measures of B & D = 28°

\therefore Degree measure of B and D is 50° and 22° respectively as B is more than B.

Now total literates in all villages together

$$= \frac{5500}{50} \times 360$$

$$= 39600$$

Required average

$$= \frac{1}{4} (50 + 72 + 22 + 74)$$

$$= 54.5^\circ$$

S46. Ans.(c)

Sol.

Let length of train A = L

Speed of train A = x

$$\text{From A} = \frac{L}{x} = 8$$

$$\text{From B} = \frac{L+0.5L}{x+25} = 8$$

$$\text{From C} = \frac{L+100}{x} = 10$$

From any of these two statement question be solved

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S47. Ans.(b)

Sol.

From A per day efficiency = 3 : 2 : 4

\Rightarrow ratio of time taken by A, B and C alone to complete work = 4 : 6 : 3 same as (C)

From B) time taken by A and B together = 7.2 days

Either B and A or B and C questions can be solved

S48. Ans.(d)

Sol.

$$\text{From A) T.S.A} = \pi r l + \pi r^2 = 462 \text{ cm}^2$$

$$\text{From B) } V = \frac{1078\sqrt{3}}{3} = \pi r^2 \frac{h}{3}$$

$$\text{And } h = 7\sqrt{3} \text{ cm}$$

$$\text{From C) } h : r = \sqrt{3} : 1$$

Either B alone or A and C together, question can be solved.

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S49. Ans.(e)**Sol.**

| | | | |
|---------------|---------------|------------------|-----------------|
| | Veer | : Satisch | : Yogesh |
| From A and C) | 6×12 | $: 8 \times 9$ | $: 9 \times 8$ |
| | 72 | $: 72$ | $: 72$ |
| | 1 | $: 1$ | $: 1$ |

Share of Veer = Share of Satisch Rs 900

| | | | | |
|----------------|-----------------|---|------------------|--|
| | Satisch | : | Veer | |
| From (B and C) | 8000×9 | : | 6000×12 | |
| | 1 | : | 1 | |

Share of Veer share of Satisch = Rs 900

Either A and C or B and C question can be solved.

S50. Ans.(b)**Sol.**

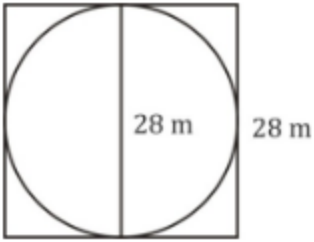
From A) Tray B = 30
 Rotten eggs in Tray B = 9 eggs & fresh eggs in Tray B = 21 eggs
 Tray A, Fresh eggs = 14 eggs

From B) Tray A = 20 eggs
 Fresh eggs in Tray A = 14 Rotten eggs in Tray A = 6

From C)
 Tray B = 30 eggs
 Tray A = 20 Eggs
 Rotten eggs in Tray A = 6 eggs
 Fresh eggs in Tray A = 14 eggs

From Either B or C question can be solved.

**S51. Ans.(b)****Sol.** Sum of the ages of 6 children = $15 \times 6 = 90$ When two children left, sum of the ages of 4 children = $90 - (18 + 20) = 52$ Sum of the ages of New children = $(15 + 4) \times 4 = 76$ \therefore Required average = $\frac{76 + 52}{8} = \frac{128}{8} = 16$ years**S52. Ans.(c)****Sol.** Remaining distance = $12 - \frac{3}{4} \times 12 = 3$ kmRemaining time = $45 - \frac{2}{3} \times 45 = 15$ minSpeed = $\frac{3}{15} \times 60 = 12$ km/hr

S53. Ans.(d)**Sol.** Area of the space left out = Area of square – Area of circle

$$\begin{aligned}
 &= (28)^2 - \frac{22}{7} \times 14 \times 14 \\
 &= 28 \left(28 - \frac{11 \times 14}{7} \right) \\
 &= 28 (28 - 22) \\
 &= 28 \times 6 = 168 \text{ m}^2
 \end{aligned}$$

S54. Ans.(b)**Sol.** Original company price = $1660 \times \frac{100}{83} = 2000$ Rs.

$$SP = 2000 \times \frac{107}{100} = 2140 \text{ Rs.}$$

S55. Ans.(b)**Sol.** Part of alcohol in First Mixture = $\frac{3}{7}$ Part of alcohol in second mixture = $\frac{5}{11}$ Part of alcohol in Final mixture = $\frac{4}{9}$

$$\begin{array}{ccc}
 \therefore \frac{3}{7} & & \frac{5}{11} \\
 & \searrow & \nearrow \\
 & \frac{4}{9} & \\
 & \nearrow & \searrow \\
 \frac{1}{99} & & \frac{1}{63}
 \end{array}$$

$$\therefore \text{Ratio} = \frac{1}{99} : \frac{1}{63} = 7 : 11$$

$$\therefore \text{Required quantity} = \frac{7}{18} \times 18 = 7 \text{ litres}$$

S56. Ans.(d)**Sol.** Average speed of Monu to Cover distance on Monday and Tuesday together

$$= \frac{\text{Total distance covered}}{\text{Total time taken}}$$

$$= \frac{120+225}{2+3} = \frac{345}{5} = 69 \text{ km/h}$$

Distance travelled by Sonu on Wednesday

$$= \frac{140}{5} \times 7 = 196 \text{ km}$$



Distance travelled by Sonu on Thursday

$$= \frac{135}{3} \times 4 = 180 \text{ km}$$

Average speed of Sonu to cover distance on Wednesday and Thursday together

$$= \frac{\text{Total distance covered}}{\text{Total time taken}}$$

$$= \frac{196 + 180}{8} = \frac{376}{8} = 47 \text{ km/h}$$

$$\text{Required difference} = 69 - 47 = 22$$

S57. Ans.(c)

Sol. Distance covered by Sonu on Friday = $\frac{210}{6} \times 7 = 245 \text{ km}$

Distance covered by Sonu on Thursday = $\frac{135}{3} \times 4 = 180 \text{ km}$

Speed of Sonu on Friday = $\frac{245}{5} = 49 \text{ km/h}$

Speed of Sonu on Thursday = $\frac{180}{4.5} = 40 \text{ km/h}$

Required % = $\frac{49-40}{40} \times 100 = \frac{9}{40} \times 100 = 22.5\%$

S58. Ans.(b)

Sol. Distance covered by Sonu on Friday = $\frac{210}{6} \times 7 = 245 \text{ km}$

Speed of Sonu on Friday = $\frac{245}{5} = 49 \text{ km/h}$

Speed of Sonu on Saturday = $\frac{49}{7} \times 10 = 70 \text{ km/h}$

Speed of Monu on Saturday = $\frac{70}{7} \times 6 = 60 \text{ km/h}$

Required time = $\frac{210}{60} + \frac{245}{70} = 3.5 + 3.5 = 7 \text{ hr}$

S59. Ans.(a)

Sol. Distance covered by Sonu on Tuesday = $\frac{225}{9} \times 11 = 275 \text{ km}$

Speed of Sonu on Tuesday = $\frac{275}{25} = 110 \text{ km/h}$

If speed of Sonu increases by 25% on Tuesday = 110×1.25

= 137.5 km/h

Time taken to cover distance = $\frac{275}{137.5} = 2$

Required difference = $2.5 - 2 = 0.5 \text{ hour} = 30 \text{ minutes}$

S60. Ans.(e)

Sol.

$$\text{Speed of Monu on Thursday} = \frac{135}{2.5} = 54 \text{ km/h}$$

$$\text{Distance covered by Sonu on Monday} = \frac{120}{4} \times 5$$

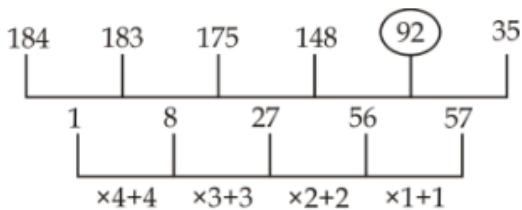
$$= 150$$

$$\text{Speed of sonu on Monday} = \frac{150}{3} = 50 \text{ km/h}$$

$$\text{Required \%} = \frac{54}{50} \times 100 = 108\%$$

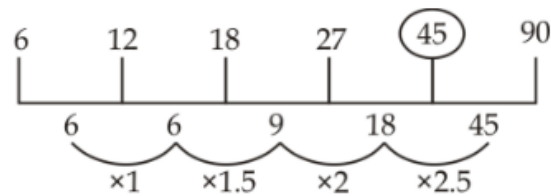
S61. Ans.(c)

Sol.



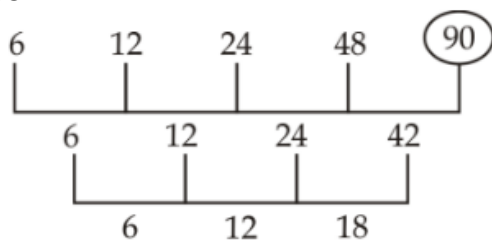
S62. Ans.(d)

Sol.



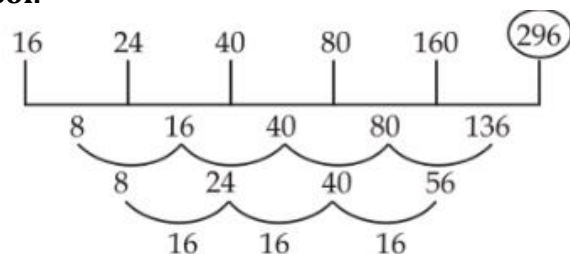
S63. Ans.(c)

Sol.



S64. Ans.(e)

Sol.



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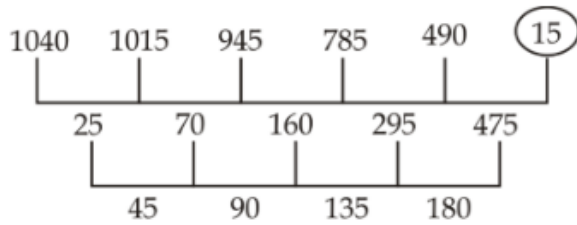
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S65. Ans.(b)

Sol.



Solution (66-70):

Let total no. of travelers for city X = 100x

No. of persons travel by car from city X = 32x

No. of persons travel by bus from city X = $68x \times \frac{1}{4} = 17x$

No. of persons travel by train from city X = $68x \times \frac{3}{4} = 51x$

No. of persons travel by car from city Y = $32x \times \frac{125}{100} = 40x$

No. of person travel by train from city Y = $\frac{51x}{3} \times 4 = 68x$

Total no. of travelers from city Y = $100x \times \frac{140}{100} = 140x$

No. of person travel by bus from city Y = $140x - 68x - 40x = 32x$

No. of persons who travel by car from city Z = $\frac{24}{100} \times (68x + 32x)$

= 24x

Total number of person who travel from city Z = $\frac{62.5}{100} \times 100x$

= 62.5x

Total no. of person who travel by bus and train together from city Z

= 62.5 - 24x = 38.5x

| City \ Vehicle | X | Y | Z |
|----------------|------|------|-------|
| Car | 32x | 40x | 24x |
| Bus | 17x | 32x | 38.5x |
| Train | 51x | 68x | |
| Total | 100x | 140x | 62.5x |

According to last statement

$$17x + 51x - 38.5x = 472$$

$$29.5x = 472 \Rightarrow x = 16$$

| City \ Vehicle | X | Y | Z |
|----------------|------|------|------|
| Car | 512 | 640 | 384 |
| Bus | 272 | 512 | 616 |
| Train | 816 | 1088 | |
| Total | 1600 | 2240 | 1000 |

S66. Ans.(a)

Sol. Required number of cars = $\frac{512}{4} = 128$

S67. Ans.(d)

Sol. Required difference = $2240 - 1600 = 640$

S68. Ans.(b)

Sol.

$$\begin{aligned} \text{Required \%} &= \frac{1088-816}{816} \times 100 \\ &= \frac{272}{816} \times 100 = 33\frac{1}{3}\% \end{aligned}$$

S69. Ans.(b)

Sol. Let, no. of person who travel by bus from city Z = x

ATQ,

$$x + 1.2x = 616 \Rightarrow x = 280$$

Required value = $280 \times 1.2 = 336$

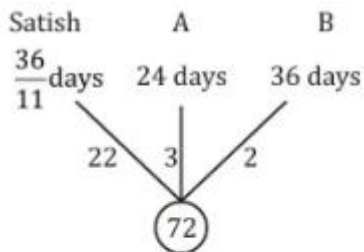
S70. Ans.(c)

Sol.

$$\text{Required average} = \frac{512+640+384}{3} = \frac{1536}{3} = 512$$

S71. Ans.(a)

Sol. Let his sons are A, B and C.



| | Satish | : | (A + B + C) |
|------------|--------|---|-------------|
| time | 1 | : | 2 |
| efficiency | 2 | : | 1 |

$$2 \text{ unit} = 22$$

$$1 \text{ unit} = 11$$

$$\therefore A + B + C = 11$$

$$C = 11 - (3 + 2) = 6$$

\therefore 3rd son (C) can complete the work

$$= \frac{72}{6} = 12 \text{ days}$$

S72. Ans.(c)**Sol.**

$$\begin{array}{l} \text{Ratio of share of profit} = \begin{array}{l} \text{A} \quad \text{B} \\ 32 : 56 \\ = 4 : 7 = 11 \end{array} \end{array}$$

Let, total profit = Rs. 11

Now, A, B and C will distribute Rs. 11 equally

i.e.

$$\begin{array}{l} \text{A} : \text{B} : \text{C} \\ \frac{11}{3} : \frac{11}{3} : \frac{11}{3} \end{array}$$

$$\text{Loss of A} = 4 - \frac{11}{3} = \frac{1}{3}$$

$$\text{Loss of B} = 7 - \frac{11}{3} = \frac{10}{3}$$

Ratio of Loss = 1 : 10

Amount that got to compensate the loss

$$= \frac{1}{11} \times 19800 = 1800$$

S73. Ans.(e)**Sol.** Let 'h' is the height increase in water level.

ATQ,

Volume displaced by the sphere = Increased volume in cylinder

$$\Rightarrow \frac{4}{3} \pi (6)^3 = \pi (12)^2 h \Rightarrow h = 2 \text{ cm}$$

S74. Ans.(c)**Sol.**

$$\text{Total C. P.} = 900 \times \frac{80}{100} = 720$$

$$\text{Profit} = 720 \times \frac{25}{100} = 180$$

700 articles S.P. = 720 + 180 = Rs. 900

$$1 \text{ article S. P.} = \text{Rs. } \frac{9}{7}$$

$$840 \text{ articles S. P.} = \frac{9}{7} \times 840 = 1080$$

$$\text{Profit \%} = \frac{1080 - 720}{720} \times 100 = \frac{360}{720} \times 100 = 50\%$$

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S75. Ans.(c)**Sol.** Probability of Abhishek winning the game

= (Probability of Abhishek getting Head in first try) + (Probability of Abhishek getting Tail in first try, Arun getting Tail in first try and Abhishek getting Head in second try) + (Probability of Abhishek getting Tail in first try, Arun getting Tail in first try, Abhishek getting Tail in second try, Arun getting Tail in second try and Abhishek getting Head in third try)

$$= \left(\frac{1}{2}\right) + \left(\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}\right) + \left(\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}\right)$$

$$= \frac{1}{2} + \frac{1}{8} + \frac{1}{32} = \frac{21}{32}$$

S76. Ans.(c)**Sol.**

Total Indians in November

$$= \frac{35}{1700} \times \frac{85}{100} \times 18000$$

$$= 315$$

Total visitors in November

$$= \frac{4}{3} \times 15000 = 20000$$

∴ Foreigners visiting in November

$$= 20000 - 315 = 19685$$

∴ Required difference

$$= 19685 - 315 = 19370$$

**S77. Ans.(a)****Sol.**

Males visiting who are foreigner in September

$$= \frac{3}{7} \times \frac{23}{100} \times 15400$$

$$= 1518$$

Females foreigner in September

$$= \frac{4}{7} \times \frac{23}{100} \times 15400$$

$$= 2024$$

$$\therefore \text{Required percentage} = \frac{1518}{2024} \times 100$$

$$= 75\%$$

Alternately,

$$\text{Required ratio} = \frac{3}{4} \times 100 = 75\%$$

S78. Ans.(d)

Sol.

Foreigner who are married

$$= \frac{18}{100} \times 16800 \times \frac{1}{3} = 1008$$

Indians who are married

$$= \frac{82}{100} \times 16800 \times \frac{1}{4} = 3444$$

remaining foreign females visitors

$$= \frac{2016}{4} = 504$$

Remaining Indian females visitors =

$$= \frac{10332}{3} = 3444$$

∴ Required total females

$$= \frac{1008}{2} + \frac{3444}{2} + 504 + 3444$$

$$= 6174$$

S79. Ans.(c)

Sol.

Required ratio

$$\begin{aligned} &= \frac{\frac{3}{5} \times \frac{75}{100} \times 15000}{\frac{1}{6} \times \frac{18}{100} \times 16800} \\ &= \frac{6750}{504} = 375 : 28 \end{aligned}$$

S80. Ans.(e)

Sol. Required percentage

$$= \frac{\frac{15}{100} \times 18000}{\frac{75}{100} \times 15000} \times 100 = 24\%$$

S81. Ans.(c)

Sol. Referring to the first paragraph of the passage which indicates that China is making a shift from a manufacturing-led growth model fuelled by low-cost labour to an innovation-led, higher-value-added model underpinned by strong productivity gains and Urbanization is facilitating that shift. Moreover, China needs the prosperity and an engine of dynamism which is getting high-level attention nowadays.

Hence both the sentences (I) and (II) are correct.

S82. Ans.(b)

Sol. Referring to the second paragraph of the passage, we infer that China is called as 'Factory of the world' as it is a leading centre for manufacturing products.

Hence sentence (b) is correct in context of the passage.

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S83. Ans.(e)

Sol. Referring to the third paragraph of the passage, we conclude that all of the given statements are correct.

S84. Ans.(c)

Sol. Refer to the fourth paragraph of the passage “China’s leaders seem to be eyeing a second greater bay area, centered on Hangzhou Bay, which, because it overlaps with the Yangtze River Delta, could go a long way towards integrating that already-prosperous region”, hence sentence (c) is correct in context of the passage.

S85. Ans.(b)

Sol. “China’s shift to city- led growth” is an appropriate theme of the passage as the passage is about China, transforming from a manufacturing-led growth model to an innovation-led or city led growth. Hence option (b) is the correct choice.

S86. Ans.(c)

Sol. Mandate means an official order or commission to do something.
Poised means having a composed and self-assured manner.
Warfare means engagement in or the activities involved in war or conflict.

S87. Ans.(b)

Sol. Regime means a government, especially an authoritarian one.
Prominent means important; famous.
Intervention means the action or process of intervening.

S88. Ans.(c)

Sol. Negotiating means obtain or bring about by discussion
Knocking means talk disparagingly about; criticize.
Anonymity means the condition of being anonymous.

S89. Ans.(e)

Sol. Convenient means fitting in well with a person's needs, activities, and plans
Confident means feeling or showing confidence in oneself or one's abilities or qualities.

S90. Ans.(a)

Sol. Financed means provide funding for (a person or enterprise).
Deficit means the amount by which something, especially a sum of money, is too small.

S91. Ans.(b)

Sol. In the last sentence of the question we have: To an absorbing passion, **a whole-souled devotion, must be joined** an enduring energy, if the student is to become a devotee of the gray-eyed goddess to whose law his services are bound. The part in bold and italics speaks of devotion; option (b) takes the idea forward by saying that ‘**the quest of Minerva is not for all**’. Minerva is the Roman Goddess of wisdom; and the student who is in search of knowledge must please the goddess. Option (b) takes the idea in the right direction.

S92. Ans.(d)

Sol. The last line of the paragraph says: **Of course every newspaper and agency developed a virtuous anxiety to track the culprit, and all resources were directed to that end.** We must ask is this a good thing or not? If every newspaper directs its energy to track the culprit, then why should the author curse the editors and the public? Option (c) goes out.

The passage is not about Thomas Burke, so option (a) goes out. Option (d) is the right answer because the idea discussed in the last sentence is 'Of course every newspaper and agency developed a virtuous anxiety to track the culprit'. The word '**virtuous**' must help us choose (d).

S93. Ans.(a)

Sol. The last few sentences of the passage speak about **the religious spirit**. The last two sentences have '**it**'. They refer to the 'religious spirit'. Option (a) is the right answer as it takes the idea forward in the right direction. Many of you might mark (c), but the 'this' in option (c) would refer to what. In the previous two sentences, we speak of 'religious spirit'; and in the last sentence we speak of 'this' which we ourselves don't know. Option (a) takes the idea in the right direction and is, therefore, the right answer.

S94. Ans.(b)

Sol. The clue to the answer lies in the last line of the paragraph: We sit, the candle and I, in the midst of the shades we are conquering, and sometimes look up from the lucent page to contemplate the dark hosts of the enemy with a smile before they overwhelm us; as they will, of course. The author says that the enemy will eventually overwhelm us. Option (b) in this case makes complete sense. The author has been positively reflecting on the intimacy he has with his candle.

S95. Ans.(c)

Sol. The great Mother insists thus that you enter the temple of her larger mysteries. The author in the passage discusses why he is wide awake; he is about to fall asleep, but then he finds himself wide awake. Option (c) comes up with the reasons for that, and the option has the right reasons too. Option (c) says 'the vital forces are full to the overflow', which means you are so full of vitality that you must just not fall asleep. Option (a) unnecessarily introduces a new idea: the woods.

S96. Ans.(d)

Sol. The sequence of the following question is **FAEBCD**.

S97. Ans.(e)

Sol. The sequence of the following question is **FAEBCD**.

S98. Ans.(c)

Sol. The sequence of the following question is **FAEBCD**.

S99. Ans.(a)

Sol. The sequence of the following question is **FAEBCD**.

S100. Ans.(a)

Sol. The sequence of the following question is **FAEBCD**.

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S101. Ans.(a)

Sol. The passage says, 'The incipient bubble is being created by government policy. In response to the global credit crunch of 2008, policy makers in Asia slashed interest rates and flooded financial sectors with cash in frantic attempts to keep loans flowing and economies growing.'

S102. Ans.(d)

Sol. The passage says, 'Exuberance over a quick recovery –which was given a boost by China's surprisingly strong 7.9% G DP growth in the second quarter -has buoyed investor sentiment not just for stocks but also for real estate.'

S103. Ans.(a)

Sol. The passage says, 'Exuberance over a quick recovery –which was given a boost by China's surprisingly strong 7.9% G DP growth in the second quarter -has buoyed investor sentiment not just for stocks but also for real estate.'

S104. Ans.(d)

Sol. The passage says, 'Much of the concern is focused on China, where government stimulus efforts have been large and effective. Money in China has been especially easy to find.'

S105. Ans.(d)

Sol. The passage says, 'But just as easily, Asia could soon find itself saddled with overheated markets similar to the U.S. housing market. In short the world has not changed, it has just moved places.'

S106. Ans.(c)

Sol. The passage says, 'But investors -who have been well schooled in the dangers of bubbles over the past decade are increasingly wary that prices have risen too far, and that the slightest bit of negative economic news could knock markets for a loop. These fears are compounded by the possibility that Asia's central bankers will begin taking steps to shut off the money'

S107. Ans.(e)

Sol. The passage says, 'Aggregate new bank lending surged 201% in the first half of 2009 from the same period a year earlier, to nearly \$1.1 trillion. Exuberance over a quick recovery –which was given a boost by China's surprisingly strong 7.9% G DP growth in the second quarter -has buoyed investor sentiment not just for stocks but also for real estate.'

S108. Ans.(b)

Sol. In this whole passage the author has discussed financial theories, recession and its prediction. So, option B is the correct one.

S109. Ans.(c)

Sol. The passage says, 'Stock markets tumbled as exports plunged and economic growth' deteriorated.'

S110. Ans.(e)

Sol. The passage says, 'Stock markets tumbled as exports plunged and economic growth' deteriorated. Lofty property prices in China and elsewhere looked set to bust as credit tightened and buyers evaporated. But with surprising speed, fear in Asia swung back to greed as the region shows signs of recovery and property and stock prices are soaring in many parts of Asia.'

S111. Ans.(d)

Sol. Billionaire Mukesh Ambani, chairman of India's second-most valued firm 'Reliance Industries', has topped the 'Barclays Hurun India Rich List 2018' for the seventh consecutive year, with the total net worth of INR 371,000 crore

S112. Ans.(e)

Sol. Annual Rate of Interest on Kisan Vikas Patra (KVP) is 7.7 percent. Amount Invested doubles in 112 months (9 years & 4 months)

S113. Ans.(b)

Sol. In a bid to check loan defaults, RBI stated that a Public Credit Registry (PCR) will be set up containing information on all borrowers to ensure financial stability. Following a report by Yeshwant M Deosthalee headed High-Level Task Force, RBI stated it has considered the recommendations and decided to set up a PCR in a modular and phased manner.

S114. Ans.(a)

Sol. India's largest mobile-first financial services platform, Paytm announced that its app has crossed the 100 million milestone on Google Play Store in the second week of December 2017. This makes Paytm the country's first payments app to cross the 100 million downloads mark.

S115. Ans.(e)

Sol. The government has announced the launch of 'Krishi Kalyan Abhiyaan' under which farmers in select villages will be given assistance and advice on ways to improve farming techniques and raise their income. The Agriculture Ministry in line with the Prime Minister Narendra Modi's vision of doubling farmers' income by 2022 has launched the Krishi Kalyan Abhiyaan from 1st June to 31st July 2018.

S116. Ans.(e)

Sol. After a year or more of due-diligence, the RBI has notified that peer-to-peer (P2P) lending platforms need to be regulated and treated on par with non-banking financial companies (NBFCs).

S117. Ans.(d)

Sol. In Uttarakhand, Polythene will be completely prohibited from 31st July in the state. All the polythene vendors have been asked to finish the polyethylene stock before 31st July.

S118. Ans.(c)

Sol. National Payments Corporation of India (NPCI) is the parent organization of UPI (Unified Payment Interface).

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S119. Ans.(d)

Sol. DEMAT or De-Materialized Account refers to a deposit made at an Indian financial institution that can be used for investing in shares of stocks and other financial assets. Securities are held electronically in a DEMAT Account, thereby eliminating the need for physical paper certificates.

S120. Ans.(b)

Sol. A direct bank is a bank without any branch network that offers its services remotely via online banking and telephone banking and may also provide access via ATMs (often through interbank network alliances), mail and mobile. By eliminating the costs associated with bank branches, direct banks can make significant savings which they may pass on to clients via higher interest rates or lower service charges.

S121. Ans.(e)

Sol. The parameters that invite corrective action from the central bank are-

1. Capital to Risk weighted Asset Ratio (CRAR)
2. Net Non-Performing Assets (NPA) and
3. Return on Assets (RoA)
4. Leverage ratio

S122. Ans.(c)

Sol. World Statistics Day was celebrated for the first time on 20 October 2010 worldwide. The United Nations Statistical Commission declared the day.

S123. Ans.(b)

Sol. Padmanabhaswamy Temple is located in Thiruvananthapuram, Kerala, India.

S124. Ans.(e)

Sol. HQ of Food and Agriculture Organization is situated in Rome Italy

S125. Ans.(d)

Sol. The theme for International Day of Peace 2018 is "The Right to Peace - The Universal Declaration of Human Rights at 70". The theme celebrates the 70th anniversary of the Universal Declaration of Human Rights.

S126. Ans.(b)

Sol. The WWF had launched its ambitious TX2 programme at the St Petersburg Tiger Summit in 2010. The programme aims to double the world tiger population by 2022.

S127. Ans.(d)

Sol. Software giant Microsoft has surpassed Google's parent company Alphabet in market capitalization for the first time in three years. Microsoft has now become the third most valuable firm globally after Apple and Amazon. Microsoft had a market cap of \$753 billion at the close of trading, almost \$14 billion ahead of Alphabet.

S128. Ans.(a)

Sol. The Commission for Scientific and Technical Terminology has decided to adopt the word 'AYUSH' in Hindi and English languages for scientific and technical purposes.

S129. Ans.(a)

Sol. The Charminar is a monument and mosque located in Hyderabad.

S130. Ans.(b)

Sol. Individual banks pay the insurance premium for getting the bank deposits insured.

S131. Ans.(e)

Sol. Financial inclusion is where individuals and businesses have access to useful and affordable financial products and services by Banks or other Financial Institutions that meet their needs that are delivered in a responsible and sustainable way.

S132. Ans.(e)

Sol. DFS, Ministry of Finance and NIC have jointly developed a mobile app called Jan Dhan Darshak as a part of financial inclusion (FI) initiative. This app will act as a guide for the common people in locating a financial service touch point at a given location in the country.

S133. Ans.(d)

Sol. Bank establish the identity of a customer by getting the introduction of an existing customer, following KYC norms, taking AADHAR card copy.

S134. Ans.(c)

Sol. India has the highest level of non-performing assets (NPA) among BRICS countries and is ranked fifth on a list of countries with the highest levels of NPAs, as per the report by CARE Ratings.

S135. Ans.(b)

Sol. Reserve Bank has stated that interest subsidy scheme on short-term crop loans of up to three lakh rupees will be implemented through the Direct Benefit Transfer (DBT) mode from the current financial year.

S136. Ans.(c)

Sol. Piyush Goyal, the Union Minister of Railways & Coal, has launched two new mobile apps – 'Rail Madad' and 'Menu on Rails' – to ease the travelling experience of the commuters. The Rail Madad app is aimed at expediting & streamlining passenger grievance redressal while the 'Menu on Rails' app will allow passengers to check the list of meals and beverages served on all type of trains and their prices.

S137. Ans.(c)

Sol. The deposits with NBFCs are not insured.

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S138. Ans.(d)

Sol. MUDRA, which stands for Micro Units Development & Refinance Agency Ltd, is a financial institution being set up by Government of India for development and refinancing micro units' enterprises. It was announced by the Hon'ble Finance Minister while presenting the Union Budget for FY 2016. The purpose of MUDRA is to provide funding to the non-corporate small business sector through various Last Mile Financial Institutions like Banks, NBFCs and MFIs.

S139. Ans.(a)

Sol. A Balance of payments statements is a summary of a nation's total economic transactions undertaken on the international account. It is usually composed of two sections:-

1. Current Account
2. Capital Account

S140. Ans.(c)

Sol. Iran has banned the use of bitcoin and other cryptocurrencies by its banks and financial institutions. As per the central bank of Iran, the ban was necessary since all cryptocurrencies have the capacity to be turned into a means for money-laundering and financing terrorism and in general can be turned into a means for transferring criminals' money.

S141. Ans.(c)

Sol. In terms of Section 24 of the Reserve Bank of India Act, 1934, the Reserve Bank of India may issue bank notes for the maximum denomination of Rs. 10,000.

S142. Ans.(c)

Sol. The Union Finance Ministry has tied up with 40 entities including Flipkart, Swiggy, Patanjali and Amul for extending loans to small entrepreneurs under the Pradhan Mantri Mudra Yojana (PMMY).

S143. Ans.(b)

Sol. Singapore Currency- Singapore Dollar, President- Halimah Yacob

S144. Ans.(b)

Sol. Odisha's most popular lyricist, Narayan Prasad Singh was popularly known as 'Rasaraj' passed away at his residence in Bhubaneswar. Singh was 86. Born on May 28th, 1933 at Koeli village, Singh earned his name in the world of Odia music. He was the lyricist of several popular melodious songs in Odia cinema.

S145. Ans.(a)

Sol. The Kune Falls is a waterfall at Lonavla in Pune district in the Indian state of Maharashtra.

S146. Ans.(a)

Sol. The Insurance Regulatory and Development Authority of India (IRDAI) has allowed banks to tie up with insurers. This decision was taken as part of the IRDAI's new Bancassurance model guidelines which will be notified soon. Prior to this decision, banks were not allowed to have insurance agency tie-ups with more than one insurer. As per new decision banks can tie up with nine insurers from three segments viz. life, non-life and standalone health. It will not be binding on banks and they are free to take their call. Earlier, IRDAI had constituted a 7 member committee to study the reviewing of the existing architecture of the Bancassurance model.

S147. Ans.(d)

Sol. Darrah National Park in Rajasthan, India is a national park established in 2004 consisting of three wildlife sanctuaries: Darrah Wildlife Sanctuary, Chambal Wildlife Sanctuary, and Jawahar Sagar Wildlife Sanctuary.

S148. Ans.(d)

Sol. A letter of credit is a letter from a bank guaranteeing that a buyer's payment to a seller will be received on time and for the correct amount. In the event that the buyer is unable to make payment on the purchase, the bank will be required to cover the full or remaining amount of the purchase

S149. Ans.(d)

Sol. India has been ranked 136th among 163 countries in Global Peace Index 2018 due to a reduction in the level of violent crime driven by increased law enforcement. The Index is prepared by Sydney-based international think-tank Institute for Economics and Peace (IEP).

S150. Ans.(c)

Sol. Jharsuguda Thermal Power Plant, in the Jharsuguda district of Odisha, is currently the tenth largest thermal power plant operating in India. It is a 2400MW coal-fired power plant owned and operated by Sterlite Energy, a 100% subsidiary of Vedanta Resources.