S1. Ans.(b)
Sol. The statement which contains false information is the statement (ii).
This statement is false because the last paragraph says "This abundance of synthetic fertiliser has boosted crop yields and helped to feed people around the globe, but this surplus nitrate and ammonium comes with environmental costs."
Statement (i) is true because the third paragraph says "Today, scientists are looking at several ways to treat the soil or adjust farming practices to cut back on N2O production."
Statement (iii) can be proven correct because the second paragraph mentions "Yet molecule for molecule, N2O is about 300 times as potent as carbon dioxide at heating the atmosphere."

S2. Ans.(d)
Sol. Both option (a) and (c) are the answer to this question. They are mentioned in the second paragraph "And like CO2, it is long-lived, spending an average of 114 years in the sky before disintegrating. It also depletes the ozone layer."

S3. Ans.(c)
Sol. The answer is mentioned early on in the passage where it says "Also known as laughing gas, N2O does not get nearly the attention it deserves,………….".

S4. Ans.(b)
Sol. The answer can be found in the last line of the second paragraph saying "Agricultural soil – especially because of the globe's heavy use of synthetic nitrogen fertiliser – is the principal culprit."
The rest of the options do not mention the cause of the increase in levels of nitrogen or the options do not contain relevant information with reference to the information given in the passage.

S5. Ans.(e)
Sol. All of the given options delve into the core principles of the passage. The author begins by stating how N2O is overlooked whenever the topic of greenhouse gas emissions is brought up, as carbon dioxide dominates the discussion. This is mentioned in option (b).
Further on, we are informed about how this leads to the ignorance on the policy makers part as well, as there exist no provisions to lessen the amount of N2O, despite studies and data being available which states the amount of damage that is done to the environment due to the N2O emissions. (Option a)
For option (c), refer to third paragraph which mentions," Producing ammonia fertiliser accounts for about 1% of all global energy use and 1.4% of CO2 emissions (the process requires heating nitrogen gas and subjecting it to pressures of up to 400 atmospheres, so it's very energy-intensive)."
This article also mentions that agricultural practices specifically are to be blamed for the majority of these emissions, rather than any other activity of the economy.

S6. Ans.(c)
Sol. Amass means gather together or accumulate (a large amount or number of material or things) over a period of time. This meaning is close to the meaning of *accumulate*.
Escalate means to increase rapidly.
Realign means to change or restore to a different or former position or state.
Analogize means to make a comparison of (something) with something else to assist understanding.
Apprise means to inform or tell (someone).

S7. Ans.(b)
Sol. Tipping the balance is the correct phrase to be used here.
It means to cause a change, esp. in making something more likely to happen.
None of the other options are appropriate to fill in the blank.

S8. Ans.(c)
Sol. Scantiness means the quality of being small or insufficient in quantity or amount. This meaning is the opposite of *abundance*.
Nuance means a subtle difference in or shade of meaning, expression, or sound.
Tranquil means free from disturbance; calm.
Loathe means feel intense dislike or disgust for.

S9. Ans.(d)
Sol. Among all the given options, only *civilization* will fit the blank appropriately to make grammatical and contextual sense of the sentence. It means the society, culture, and way of life of a particular area.
Satiety means the quality or state of being fed or gratified to or beyond capacity
Proximity means nearness in space, time, or relationship.
Demeanour means outward behaviour or bearing.

S10. Ans.(a)
Sol. Among all the given options, only *indicated* will fit the blank appropriately to make grammatical and contextual sense of the sentence. It means to point out; show.
Overstated means to state too strongly; exaggerate.
Personalized means designed or produced to meet someone's individual requirements.
Dramatized means exaggerate the seriousness or importance of (an incident or situation).

S11. Ans.(c)
Sol. Among all the given options, only *bearing* will fit the blank appropriately to make grammatical and contextual sense of the sentence. It means relation; relevance.
Plastering means the job or activity of spreading plaster on walls or ceilings in order to make the surface smooth.
Possessing means have as belonging to one; own.
Embodying means be an expression of or give a tangible or visible form to (an idea, quality, or feeling).

S12. Ans.(a)
Sol. Among all the given options, only *contact* will fit the blank appropriately to make grammatical and contextual sense of the sentence. It means the action of communicating or meeting.
Dignify means to make (something) seem worthy and impressive.
Overshadow means to appear more prominent or important than.
Tread means walk in a specified way.

S13. Ans.(d)
Sol. Among all the given options, only *excelled* will fit the blank appropriately to make grammatical and contextual sense of the sentence. It means be exceptionally good at or proficient in an activity or subject.
Deprived means suffering a severe and damaging lack of basic material and cultural benefits.
Culminated means reach a climax or point of highest development.
Modernized means adapt (something) to modern needs or habits, typically by installing modern equipment or adopting modern ideas or methods.

S14. Ans.(c)
Sol. Among all the given options, only *illustrated* will fit the blank appropriately to make grammatical and contextual sense of the sentence. It means to show the meaning or truth of something more clearly, especially by giving examples.
Curtailed means to reduce in extent or quantity; impose a restriction on.
Mutilated means to inflict a violent and disfiguring injury on.
Suspended me**Ans.(**of a sentence) imposed by a judge or court but not enforced as long as no further offence is committed within a specified period.

S15. Ans.(c)
Sol. The word which will best fit the blank in the given sentence is *marking*. It means to plot the course of.
Acquitting means free (someone) from a criminal charge by a verdict of not guilty.
Reconciling means restore friendly relations between.
Annunciating means to announce (something).

S16. Ans.(b)
Sol. The word which will best fit the blank in the given sentence is *development*. It means the process of developing or being developed.
Implement means put (a decision, plan, agreement, etc.) into effect.
Master means having or showing very great skill or proficiency.
Unravel means undo (twisted, knitted, or woven threads).

S17. Ans.(b)
Sol. The word which will best fit the blank in the given sentence is *blaming*. It means feel or declare that (someone or something) is responsible for a fault or wrong.
Relocating means move to a new place and establish one's home or business there.
Aspirating means breathe (something) in; inhale.
Authorizing means give official permission for or approval to (an undertaking or agent).

S18. Ans.(a)
Sol. The word which will best fit the blank in the given sentence is *manipulate*. It means handle or control (a tool, mechanism, information, etc.) in a skillful manner.
Backpedal means reverse one's previous action or opinion.
Conceptualize means form a concept or idea of (something).
Summarize means give a brief statement of the main points of (something).

S19. Ans.(d)
Sol. The word which will best fit the blank in the given sentence is *captured*. It means take into one's possession or control by force.
Mentored means advise or train (someone, especially a younger colleague).
Customized means modified to suit a particular individual or task.
Murmured means say something in a low or indistinct voice.

S20. Ans.(b)
Sol. The words 'former' and 'faced' need to be replaced in the given sentence for it to make contextual sense.
The sentence after replacement will look like: Elizabeth Holmes and the US government faced (D) off in a San Jose federal courtroom in the long-awaited criminal trial of the founder and former (A) CEO of Theranos.

S21. Ans.(e)
Sol. All the words are in their correct place.
Hence, no correction is required.

S22. Ans.(d)
Sol. The words 'minimum' and 'county' need to be replaced in the given sentence for it to make contextual sense.
The sentence after replacement will look like: There is no state, county (B) or city in the United States where a full-time, minimum (A) wage worker working 40 hours a week can afford (C) a two-bedroom rental, a report from the National Low Income Housing Coalition showed (D).

S23. Ans.(c)
Sol. The words 'hundreds' and 'boost' need to be replaced in the given sentence for it to make contextual sense.
The sentence after replacement will look like: Indian Prime Minister Narendra Modi has renewed (A) a pledge to spend more than $1 trillion on infrastructure (B) to create jobs for hundreds (D) of thousands of young Indians and boost (C) the economy.

S24. Ans.(a)
Sol. The words 'shutting' and 'resigned' need to be replaced in the given sentence for it to make contextual sense.
The sentence after replacement will look like: The media company (A) behind the now-shuttered Hong Kong tabloid Apple Daily is shutting (C) down after its entire board resigned (B), citing "a climate of fear" over the city's controversial (D) national security law.

S25. Ans.(c)
Sol. The incorrect spelled word is: acused.
The correct spellings are *accused*.

S26. Ans.(e)
Sol. All the highlighted words are spelled correctly.

S27. Ans.(b)
Sol. The incorrect spelled word is: speckld.
The correct spellings are *speckled*.

S28. Ans.(d)
Sol. The incorrect spelled word is: autonomuos.
The correct spellings are *autonomous*.

S29. Ans.(c)
Sol. The incorrect spelled word is: repetative.
The correct spellings are *repetitive*.

S30. Ans.(e)
Sol. All the highlighted words are spelled correctly.

S31. Ans.(b)
Sol.
70% of 80 +65% of 100+ 50% of 80+ 60% of 50
= 56 + 65+ 40 + 30
= 191
So, percentage = $\frac{191}{310} \times 100 = 61.61\% \approx 62\%$

S32. Ans.(b)
Sol.
Total percentage marks obtained by all students in reasoning = 70% + 50% +35% + 60% + 75% + 46% = 336%

So, average of reasoning = $\frac{336\%}{6}$ = 56%

Total percentage marks obtained by all students in English = 35% + 68% + 65% + 89% + 75% + 25% = 357%

So, average of English = $\frac{357\%}{6}$ = 59.5%

So, sum of both = 56% + 59.5% = 115.5%

S33. Ans.(c)
Sol.
Total marks obtained by Shubham = 80% of 80 + 75% of 100+ 75% of 80+ 30% of 50
= 64+ 75+ 60+ 15
= 214

So, average = $\frac{214}{4}$ = 53.5

Total marks obtained by Atul = 85% of 80+ 25% of 100+ 46% of 80+ 40% of 50
= 68 + 25 + 36.8 + 20
= 149.8

So, average= $\frac{149.8}{4}$ = 37.45

So, required difference = 53.5 – 37.45 = 16.05

S34. Ans.(d)
Sol. Average marks of all the students in mathematics
= 80% of (45+70+40+60+80+85)
= 80% of 380
= 304
= 304/6
= 50.66≈51

S35. Ans.(d)
Sol. Marks obtained by Ganesh in Mathematics and Science = 45% of 80 + 56% of 50
= 36 + 28
= 64

Marks obtained by Jay in Reasoning and English = 89% of 100 + 35% of 80
= 89 + 28
=117

Total marks = 117+ 64 = 181

S36. Ans.(e)
Sol.
Invalid voters in village A = $45000 \times \frac{45}{100}$ = 20250

Invalid voters in village B = $50000 \times \frac{70}{100}$= 35000

Invalid voters in village C= $30000 \times \frac{25}{100}$ = 7500

Invalid voters in village D = $65000 \times \frac{60}{100}$ =39000

Total invalid voters = 20250 + 35000 + 7500 + 39000= 101750

S37. Ans.(c)
Sol.
Req. difference = $65000 \times \frac{40}{100} - 45000 \times \frac{55}{100}$
= 26000-24750
= 1250

S38. Ans.(d)
Sol.
Req. Sum = $30000 \times \frac{25}{100} + 50000 \times \frac{70}{100}$
= 7500 + 35000
= 42500

S39. Ans.(c)
Sol.
Required ratio = $(\frac{55}{100} \times 45000 + \frac{75}{100} \times 30000) : (\frac{30}{100} \times 50000 + \frac{40}{100} \times 65000)$
= (24750 + 22500):(15000 + 26000)
= 47250 : 41000
= 189: 164

S40. Ans.(e)
Sol. Total Voters in all village = 45000 + 50000 + 30000 + 65000 = 190000

Required average = $\frac{190000}{4}$ = 47500

S41. Ans.(b)
Sol. Wrong number = 295
Pattern of series -
161 + 9 = 170
170 + 18 = 188
188 + 36 = 224
224 + 72 = 296
296 +144 = 440
440 + 288 = 728

S42. Ans.(c)
Sol. Wrong number = 55
Pattern of series -
24 × 3-2 = 70
70 ÷2 + 1 = 36
36 × 3-2 = 106
106 ÷2 +1 = 54
54× 3-2 = 160
160 ÷2 +1 = 81

S43. Ans.(d)
Sol. Wrong number = 349
Pattern of series –
$156 + 9^2 = 237$
$237 + 8^2 = 301$
$301 + 7^2 = \mathbf{350}$
$350 + 6^2 = 386$
$386 + 5^2 = 411$
$411 + 4^2 = 427$

S44. Ans.(e)

Sol. Wrong number = 1485

Pattern of series –

31×0.5-0.5=15

15×1-1 = 14

14×2-2 = 26

26×3-3 = 75

75×4-4 = 296

296×5-5 = 1475

S45. Ans.(d)

Sol. Wrong number = 327

Pattern of series –

Addition of consecutive prime numbers

238 + 7 = 245

245+11 = 256

256+13 = 269

269+17 = 286

286+19 = 305

305+23 = 328

S46. Ans.(e)

Sol.

Quantity I: $4(A+B) = 200$

$(A+B) = 50$

140% of $(A +B) = 50 \times \frac{140}{100} = 70$

Quantity II: $A+B+C+D = 4×30$

$= 120$

ATQ,

$A+B = 50$

So, $C+D = 120-50 = 70$

So, Quantity II = Quantity I.

S47. Ans.(a)

Sol. Quantity I: Let that total income of Amit be 100x

So, expenditure on rent = 20% of 100x = 20x

Expenditure on food = 40% of 100x = 40x

Remaining income = 100x-(40x+20x) = 40x

Expenditure on travelling = 70% of 40x = 28x

So, saving = 40x -28x = 12x

ATQ,

12x = 9600

x = 800

So, Total income = 800 ×100 = Rs.80000

Quantity II: Rs.35000

So, Quantity I > Quantity II

S48. Ans.(a)

Sol. Quantity I: 50 km/hr.

Quantity II:

Let that speed of boat in still water = 3x

And speed of stream = x

Speed of boat in upstream = 3x-x = 2x

Speed of boat in downstream = 3x+x = 4x

ATQ,

$\frac{160}{2x} + \frac{240}{4x} = 35$

$\frac{(320+240)}{4x} = 35$

$x = 4$

Speed of boat in downstream $= 4 \times 4 = 16\ km/h$

So, Quantity I > Quantity II

S49. Ans.(a)

Sol.

Quantity I:

Boys	Girls
60	53

55

(55-53)	(60-55)
2	:	5

So, Total students = 2x+5x = 7x

7x = 49

So, x = 7

Total Girls = 7×5 = 35

Quantity II: 30

So, Quantity I > Quantity II

S50. Ans.(b)

Sol.

Quantity I: $x^2 + 11x + 28 = 0$

$x^2+7x+4x+28 = 0$

$x(x+7)+4(x+7) =0$

$(x+7) (x+4) = 0$

$X = -7$ or -4

Quantity II: $y^2 - 22y + 105 = 0$

$y^2 -15y-7y+105 = 0$

$y(y-15)-7(y-15) =0$

$(y-15) (y-7) = 0$

$y = 15$ or 7

So, Quantity II > Quantity I

S51. Ans.(b)
Sol.

49.99% of 699.98 + (24.95)^2 = ? × 4.95

$\frac{50}{100} \times 700 + 625 = 5 \times ?$

350 + 625 = 5 × ?

5 × ? = 975

? = 195

S52. Ans.(b)
Sol.

$\frac{1350.05}{(9.95 + 19.87)} + 14.95 = \frac{?}{35.98}$

$\frac{1350}{(10+20)} + 15 = \frac{?}{36}$

$45 + 15 = \frac{?}{36}$

? = 60×36

? = 2160

S53. Ans.(a)
Sol.

$(624.99 \div 25.03 + 7.96 \times 19.72) - \frac{1289.95}{(85.86 - 56.07)} = ?$

$(\frac{625}{25} + 8 \times 20) - \frac{1290}{(86 - 56)} = ?$

25 + 160 − 43

? = 142

S54. Ans.(d)
Sol.

37.5% of 151.92 of ? = 40% of 149.74 + 110.86

$\frac{3}{8} \times 152 \times ? = \frac{40}{100} \times 150 + 111$

57 × ? = 60+111

$? = \frac{171}{57}$

? = 3

S55. Ans.(a)
Sol.

(? + 16) × 6.87 + 24.69% of 499.81 = 299.67

$(? + 16) \times 7 + \frac{25}{100} \times 500 = 300$

7×? + 112 + 125 = 300

7 × ? = 300 − 237

$? = \frac{63}{7}$

? = 9

S56. Ans.(b)
Sol.

10 women complete whole work in = $54 \times \frac{5}{2} = 135 \, days$

efficiency of a man and woman is M & W respectively.

ATQ.

$M(10 \times 54) = W(10 \times 135)$

$\frac{M}{W} = \frac{5}{2}$

Total work = 10×54× 5 = = 2700 unit

Req. days

$\frac{2700}{12 \times 5 + 15 \times 2} = \frac{2700}{90} = 30 \, days$

S57. Ans.(a)
Sol.

Simple interest in three years = 6930 Rs.

So, Simple Interest in one year = $\frac{6930}{3}$ = 2310 Rs.

Rate = $(\frac{2310}{23100}) \times 100 = 10\%$

ATQ,

Two years compound interest = $10 + 10 + \frac{10 \times 10}{100} = 21\%$

= 21% of 23100

= $\frac{21}{100} \times 23100 = Rs. 4851$

S58. Ans.(b)
Sol.

Let Rahul invests money in business be Rs. 'X'

ATQ,

$\frac{(48000 \times 12)}{6 \times X} = \frac{12}{7}$

$\frac{8000}{X} = \frac{1}{7}$

X = Rs.56000

S59. Ans.(e)
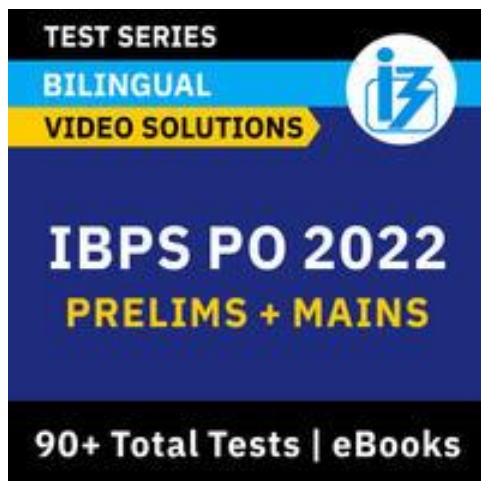**Sol.**

in mixture I juice : water = $\frac{120}{100} \times 100 : 100 = 6 : 5$

Mixtures are mixed in ratio 3 : 4

In final mixture,

$\frac{juice}{water} = \frac{6 \times 3 + 5 \times 4}{5 \times 3 + 6 \times 4} = 38 : 39$

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S60. Ans.(d)
Sol.

Speed of 1st train = 162 km/hr = $162 \times \frac{5}{18}$ = 45m/s
Let the speed of 2nd train be 'X' m/s
ATQ-
$40 = \frac{(800 + 1600)}{(45+X)}$
45 + X = 60
X = 15 m/s
Speed of 2nd train in km/hr = $15 \times \frac{18}{5}$ = 54 km/hr

S61. Ans.(b)
Sol.

Thief and policeman are running in same way
So, relative speed = (20-12) = 8km/hr
Required time = $\frac{240}{8 \times \frac{5}{18}}$ = 108 sec =1.8 minutes

S62. Ans.(a)
Sol. Let the length and breadth of a rectangle be 7x & 5x respectively.
ATQ.
2(7x+5x)=144
12x = 72
x = 6 cm
Area of rectangle = $(7 \times 6) \times (5 \times 6)$ = 1260 cm^2

S63. Ans.(c)
Sol.

Total students = 10
Total outcome =$^{10}C_5$
=$\frac{10 \times 9 \times 8 \times 7 \times 6}{5 \times 4 \times 3 \times 2 \times 1}$ = 252
Favorable outcome =$^7C_5$
=$\frac{7 \times 6}{2 \times 1}$ = 21
Probability = $\frac{21}{252} = \frac{1}{12}$

S64. Ans.(a)
Sol.

Let distance be 'd' km
ATQ.
$\frac{d}{8-2} - \frac{d}{8+2} = 2$
$\frac{5d - 3d}{30} = 2$
d = 30 km

S65. Ans.(e)
Sol.

let CP be Rs. x
MP = $\frac{130}{100} \times x = Rs. 1.3x$
Shopkeeper allow 10% discount
SP = $\frac{90}{100} \times 1.3x = Rs. 1.17x$
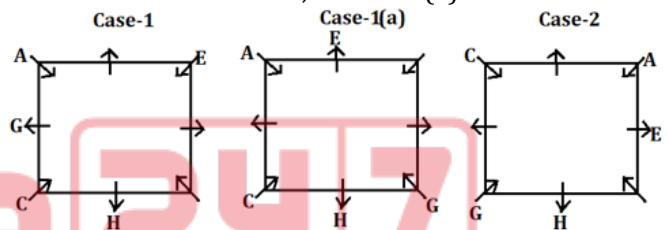Shopkeeper allow 15% discount
SP = $\frac{85}{100} \times 1.3x = Rs. 1.105x$
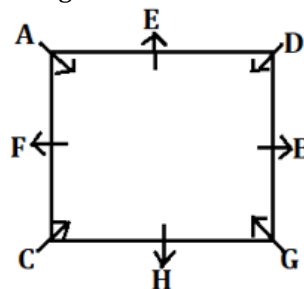ATQ.
$1.17x - 1.105x = Rs. 0.065x$
$0.065x = 13$
$x = Rs. 200$

S66. Ans.(c)
Sol. Two persons sit between H and A. A faces inside. There are two cases i.e. case-1 and case-2. C sits second to the right of A. G sits third to the right of E who neither an immediate neighbor of C nor H. From this condition there is one more case in case-1, i.e case-1(a).
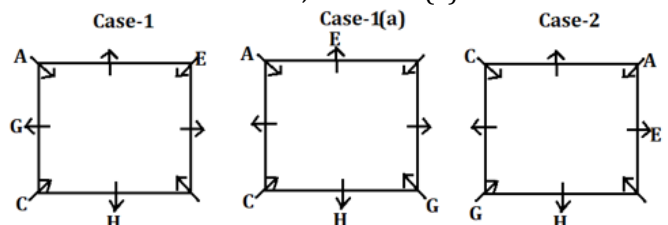

Only one person sits between B and E. F sits third to the right of D who is an immediate neighbor of B. From this condition, case-1 and case-2 will be eliminated. The final arrangement is-
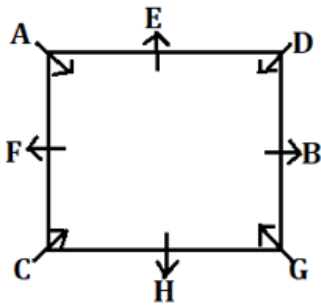

S67. Ans.(d)
Sol. Two persons sit between H and A. A faces inside. There are two cases i.e. case-1 and case-2. C sits second to the right of A. G sits third to the right of E who neither an immediate neighbor of C nor H. From this condition there is one more case in case-1, i.e. case-1(a).
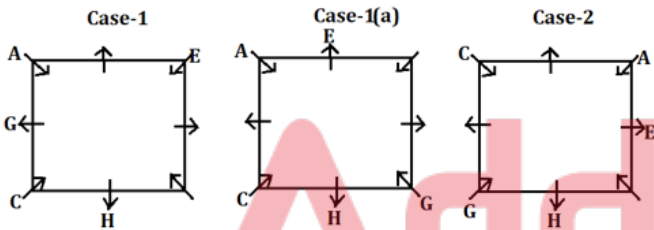
Only one person sits between B and E. F sits third to the right of D who is an immediate neighbor of B. From this condition, case-1 and case-2 will be eliminated. The final arrangement is-
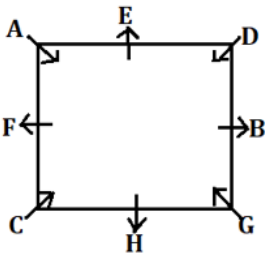

S68. Ans.(b)
Sol. Two persons sit between H and A. A faces inside. There are two cases i.e. case-1 and case-2. C sits second to the right of A. G sits third to the right of E who neither an immediate neighbor of C nor H. From this condition there is one more case in case-1, i.e case-1(a).
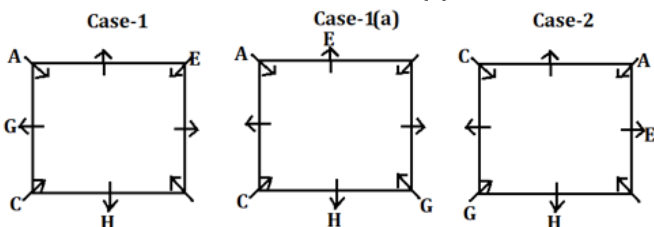

Only one person sits between B and E. F sits third to the right of D who is an immediate neighbor of B. From this condition, case-1 and case-2 will be eliminated. The final arrangement is-

S69. Ans.(a)
Sol. Two persons sit between H and A. A faces inside. There are two cases i.e. case-1 and case-2. C sits second to the right of A. G sits third to the right of E who neither an immediate neighbor of C nor H. From this condition there is one more case in case-1, i.e case-1(a).

Only one person sits between B and E. F sits third to the right of D who is an immediate neighbor of B. From this condition, case-1 and case-2 will be eliminated. The final arrangement is-
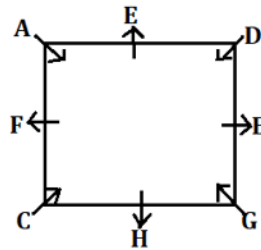

S70. Ans.(e)
Sol. Two persons sit between H and A. A faces inside. There are two cases i.e. case-1 and case-2. C sits second to the right of A. G sits third to the right of E who neither an immediate neighbor of C nor H. From this condition there is one more case in case-1, i.e case-1(a).
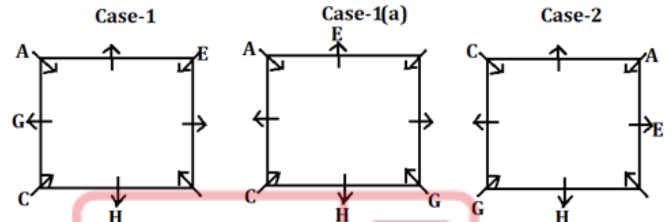

Only one person sits between B and E. F sits third to the right of D who is an immediate neighbor of B. From this condition, case-1 and case-2 will be eliminated. The final arrangement is-
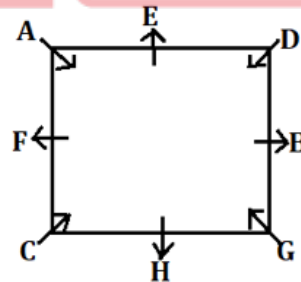

S71. Ans.(b)

S72. Ans.(d)
Sol.

Word	Code
Financial	fm
The	xp
Report	fe
Crisis	bx
Effect	xe
Global	kx
Downward	xi
Planning/ Economy	dx/lx

S73. Ans.(c)
Sol.

Word	Code
Financial	fm
The	xp
Report	fe
Crisis	bx
Effect	xe
Global	kx
Downward	xi
Planning/ Economy	dx/lx

S74. Ans.(d)
Sol.

Word	Code
Financial	fm
The	xp
Report	fe
Crisis	bx
Effect	xe
Global	kx
Downward	xi
Planning/ Economy	dx/lx

S75. Ans.(b)
Sol.

Word	Code
Financial	fm
The	xp
Report	fe
Crisis	bx
Effect	xe
Global	kx
Downward	xi
Planning/ Economy	dx/lx

S76. Ans.(c)
Sol. Five boxes are placed between V and P, placed below V. Box R is placed above box V. There are three possibilities. Three boxes are placed between R and T.

Case-1	Case-2	Case-3
Boxes	Boxes	Boxes
R	R	
V		R
	V	V
T	T	
		T
P		
	P	P

Box W placed immediate above box S. Four Boxes are placed between S and U. The number of boxes are placed above U is same as the number of boxes placed below X. From this condition case-1 and case-3 will be eliminated. The final arrangement is-

Boxes
R
U
V
Q
T
W
S
X
P

S77. Ans.(b)
Sol. Five boxes are placed between V and P, placed below V. Box R is placed above box V. There are three possibilities. Three boxes are placed between R and T.

Case-1	Case-2	Case-3
Boxes	Boxes	Boxes
R	R	
V		R
	V	V
T	T	
		T
P		
	P	P

Box W placed immediate above box S. Four Boxes are placed between S and U. The number of boxes are placed above U is same as the number of boxes placed below X. From this condition case-1 and case-3 will be eliminated. The final arrangement is-

Boxes
R
U
V
Q
T
W
S
X
P

S78. Ans.(c)
Sol. Five boxes are placed between V and P, placed below V. Box R is placed above box V. There are three possibilities. Three boxes are placed between R and T.

Case-1	Case-2	Case-3
Boxes	Boxes	Boxes
R	R	
V		R
	V	V
T	T	
		T
P		
	P	P

Box W placed immediate above box S. Four Boxes are placed between S and U. The number of boxes are placed above U is same as the number of boxes placed below X. From this condition case-1 and case-3 will be eliminated. The final arrangement is-

Boxes
R
U
V
Q
T
W
S
X
P

S79. Ans.(d)
Sol. Five boxes are placed between V and P, placed below V. Box R is placed above box V. There are three possibilities. Three boxes are placed between R and T.

Case-1	Case-2	Case-3
Boxes	Boxes	Boxes
R	R	
V		R
	V	V
T	T	
		T
P		
	P	P

Box W placed immediate above box S. Four Boxes are placed between S and U. The number of boxes are placed above U is same as the number of boxes placed below X. From this condition case-1 and case-3 will be eliminated. The final arrangement is-

Boxes
R
U
V
Q
T
W
S
X
P

S80. Ans.(e)
Sol. Five boxes are placed between V and P, placed below V. Box R is placed above box V. There are three possibilities. Three boxes are placed between R and T.
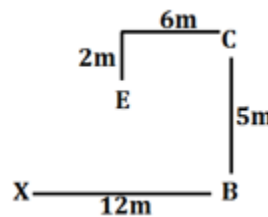
Case-1	Case-2	Case-3
Boxes	Boxes	Boxes
R	R	
V		R
	V	V
T	T	
		T
P		
	P	P

Box W placed immediate above box S. Four Boxes are placed between S and U. The number of boxes are placed above U is same as the number of boxes placed below X. From this condition case-1 and case-3 will be eliminated. The final arrangement is-

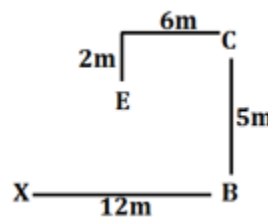| Boxes |
|-------|
| R |
| U |
| V |
| Q |
| T |
| W |
| S |
| X |
| P |

S81. Ans.(b)
Sol.

S82. Ans.(d)
Sol.

S83. Ans.(e)
Sol.

Bat / Chair / Ball — Table (crossed connection)

S84. Ans.(a)
Sol.

Sand / Dust — Soil / Water (crossed connection)
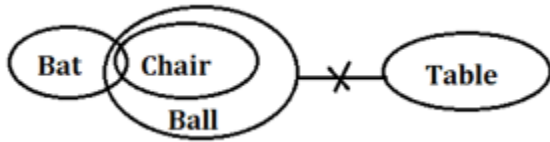
S85. Ans.(d)
Sol. Given Word- ASSOCIATION
Alphabetical order- AACIINOOSST
After replacement- BBBJJMPPRRS

S86. Ans.(c)
Sol. Only two persons are senior to D. Only one person is posted between A and D. There are two possibilities. Three designations lies between A and B. Two persons posted between B and C.

Designations	Case-1 Employees	Case-2 Employees
CMD	A	B
MD	C/	
CEO	D	D
COO		C
Manager	B	A
AM		
Assistant		
Trainee	C/	

H is just senior to F who is not trainee. Not more than two persons are posted between F and G who is senior to C. From this condition case-2 will be eliminated. E is senior to D. The final arrangement is-

Designations	Employees
CMD	A
MD	E
CEO	D
COO	G
Manager	B
AM	H
Assistant	F
Trainee	C

S87. Ans.(d)
Sol. Only two persons are senior to D. Only one person is posted between A and D. There are two possibilities. Three designations lies between A and B. Two persons posted between B and C.

Designations	Case-1 Employees	Case-2 Employees
CMD	A	B
MD	C/	
CEO	D	D
COO		C
Manager	B	A
AM		
Assistant		
Trainee	C/	

H is just senior to F who is not trainee. Not more than two persons are posted between F and G who is senior to C. From this condition case-2 will be eliminated. E is senior to D. The final arrangement is-

Designations	Employees
CMD	A
MD	E
CEO	D
COO	G
Manager	B
AM	H
Assistant	F
Trainee	C

S88. Ans.(b)
Sol. Only two persons are senior to D. Only one person is posted between A and D. There are two possibilities. Three designations lies between A and B. Two persons posted between B and C.

Designations	Case-1 Employees	Case-2 Employees
CMD	A	B
MD	C/	
CEO	D	D
COO		C
Manager	B	A
AM		
Assistant		
Trainee	C/	

H is just senior to F who is not trainee. Not more than two persons are posted between F and G who is senior to C. From this condition case-2 will be eliminated. E is senior to D. The final arrangement is-

Designations	Employees
CMD	A
MD	E
CEO	D
COO	G
Manager	B
AM	H
Assistant	F
Trainee	C

S89. Ans.(a)
Sol. Only two persons are senior to D. Only one person is posted between A and D. There are two possibilities. Three designations lies between A and B. Two persons posted between B and C.

	Case-1	Case-2
Designations	Employees	Employees
CMD	A	B
MD	C/	
CEO	D	D
COO		C
Manager	B	A
AM		
Assistant		
Trainee	C/	

H is just senior to F who is not trainee. Not more than two persons are posted between F and G who is senior to C. From this condition case-2 will be eliminated. E is senior to D. The final arrangement is-

Designations	Employees
CMD	A
MD	E
CEO	D
COO	G
Manager	B
AM	H
Assistant	F
Trainee	C

S90. Ans.(d)
Sol. Only two persons are senior to D. Only one person is posted between A and D. There are two possibilities. Three designations lies between A and B. Two persons posted between B and C.

	Case-1	Case-2
Designations	Employees	Employees
CMD	A	B
MD	C/	
CEO	D	D
COO		C
Manager	B	A
AM		
Assistant		
Trainee	C/	

H is just senior to F who is not trainee. Not more than two persons are posted between F and G who is senior to C. From this condition case-2 will be eliminated. E is senior to D. The final arrangement is-

Designations	Employees
CMD	A
MD	E
CEO	D
COO	G
Manager	B
AM	H
Assistant	F
Trainee	C

S91. Ans.(a)
Sol. 2W4, 2R2, 2G8

S92. Ans.(c)
Sol. 9&U

S93. Ans.(b)
Sol. D 9 &, G 8 *

S94. Ans.(b)
Sol. New Series- H % S W @ R Y D & U V # $ G * M A

S95. Ans.(d)
Sol.
CLASSMATE
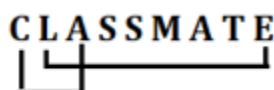
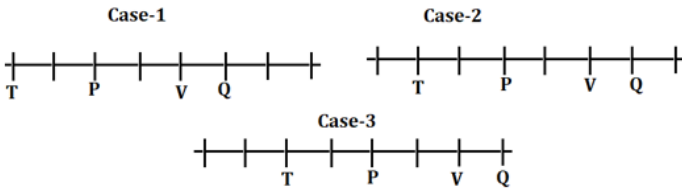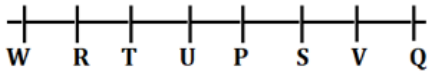**S96. Ans.(d)**
Sol. Not more than two persons sit to the left of T. There are three possibilities. Three persons sit between T and V. P sits second to the left of V. Q sits third to the right of P.
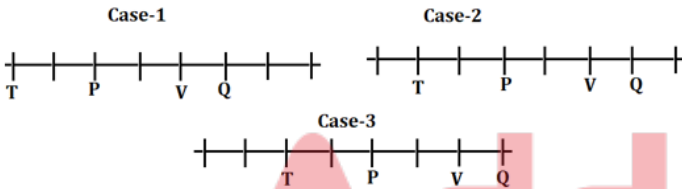

Case-1   Case-2

Case-3

W neither immediate neighbor of T not P. W sits immediate left of R. From this condition case-2 will be eliminated. Not more than one person sits between R and U who sit left of S. From this condition case-1 also eliminated. The final arrangement is-
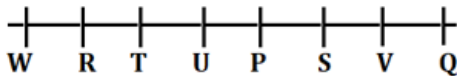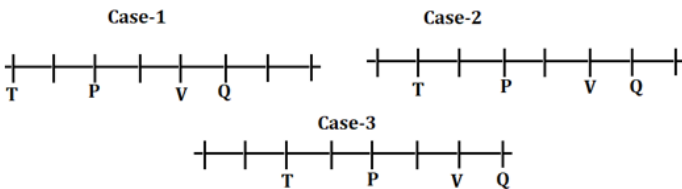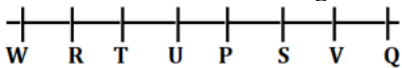
W   R   T   U   P   S   V   Q

S97. Ans.(c)
Sol. Not more than two persons sit to the left of T. There are three possibilities. Three persons sit between T and V. P sits second to the left of V. Q sits third to the right of P.

Case-1   Case-2

Case-3

W neither immediate neighbor of T not P. W sits immediate left of R. From this condition case-2 will be eliminated. Not more than one person sits between R and U who sit left of S. From this condition case-1 also eliminated. The final arrangement is-

W   R   T   U   P   S   V   Q

S98. Ans.(b)
Sol. Not more than two persons sit to the left of T. There are three possibilities. Three persons sit between T and V. P sits second to the left of V. Q sits third to the right of P.
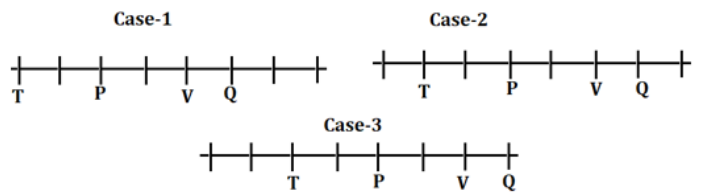

Case-1   Case-2

Case-3

W neither immediate neighbor of T not P. W sits immediate left of R. From this condition case-2 will be eliminated. Not more than one person sits between R and U who sit left of S. From this condition case-1 also eliminated. The final arrangement is-
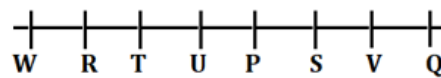
W   R   T   U   P   S   V   Q

S99. Ans.(a)
Sol. Not more than two persons sit to the left of T. There are three possibilities. Three persons sit between T and V. P sits second to the left of V. Q sits third to the right of P.
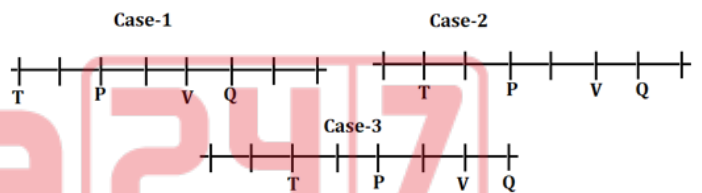

Case-1   Case-2

Case-3

W neither immediate neighbor of T not P. W sits immediate left of R. From this condition case-2 will be eliminated. Not more than one person sits between R and U who sit left of S. From this condition case-1 also eliminated. The final arrangement is-
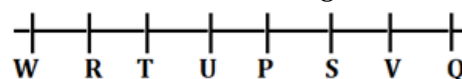
W   R   T   U   P   S   V   Q

S100. Ans.(d)
Sol. Not more than two persons sit to the left of T. There are three possibilities. Three persons sit between T and V. P sits second to the left of V. Q sits third to the right of P.

Case-1   Case-2

Case-3

W neither immediate neighbor of T not P. W sits immediate left of R. From this condition case-2 will be eliminated. Not more than one person sits between R and U who sit left of S. From this condition case-1 also eliminated. The final arrangement is-

W   R   T   U   P   S   V   Q