S1. Ans.(b)
Sol. “C-F” combination is grammatically incorrect as ‘making’ should be used in place of ‘made’
A-E: The regulator did not wait for sufficient safety and efficacy data to be collected and did not share information about the clinical trials before granting approval.
B-D: If there is already some degree of apprehension about the safety and efficacy of COVID-19 vaccines, the opaque nature of the approval process has done little to mitigate such concerns.

S2. Ans.(e)
Sol. Both B-E & C-D are correct.
B-E: More than being a scientific methodology, clinical trials are a method of human cooperation.
C-D: The coercive attempt to falsify a study participant’s claims and intimidate him or her violates the agreed upon rules of clinical trials

S3. Ans.(b)
Sol. Option (b) is the correct choice.
Distribute, dispense and disburse are similar in meaning, therefore, disburses & distributes can replace dispenses.
Disburse: To distribute
Dispense: to give or provide people with something
Squander: to waste time, money, etc.

S4. Ans.(c)
Sol. Option (c) is the correct choice. The use of ‘tools’ will be incorrect grammatically while both system and method can replace mechanism. Therefore, option (c) is the correct choice.
Mechanism: the way in which something works or is done
System: a group of things or parts that work together
Method: a way of doing something

S5. Ans.(a)
Sol. Option (a) is the correct choice because none of the options can replace ‘qualify’ to make a meaningful and contextually correct statement.
Hamper: to make something difficult
Inclined: wanting to behave in a particular way
S6. Ans.(c)
Sol. Option (c) is the correct choice. The use of “relevant” is grammatically incorrect.

Disruption: the action of preventing something, especially a system, process, or event, from continuing as usual or as expected.

Obstruction: the act of stopping something from happening or moving

Disturbance: something that makes you stop what you are doing

S7. Ans.(b)
Sol. Option (b) is the correct choice. All the other options are either making sentence grammatically or contextually incorrect.

Meaning of some other words:
Nabbed: to catch or arrest somebody who is doing something wrong
Snatched: to attempt to seize something suddenly
Persist: to continue doing something even though other people say that you are wrong or that you cannot do it
Apprehend: arrest, seize apprehend a thief.
Endured: to suffer something painful or uncomfortable, usually without complaining
Sustain: to keep somebody/something alive or healthy

S8. Ans.(c)
Sol. Option (c) is the correct choice. All the other options are either making sentence grammatically or contextually incorrect.

Meaning of some other words:
Drenched: to make somebody/something completely wet
Affected: make somebody/something change in a particular way; to influence somebody/something
Rejuvenate: to make somebody/something feel or look younger
Drenched: to make somebody/something completely wet
Devoured: to eat something quickly because you are very hungry
Swayed: to influence somebody

S9. Ans.(d)
Sol. Option (d) is the correct choice. All the other options are either making sentence grammatically or contextually incorrect.

Meaning of some other words:
Assess: to determine the importance, size, or value of
Evaluate: to study the facts and then form an opinion about something
Enhance: heighten, increase especially
Analyze: to look at or think about the different parts or details of something carefully in order to understand or explain it

S10. Ans.(d)
Sol. Option (d) is the correct. We need to replace ‘thoroughly’ with thorough because thoroughly is an adverb while we need an adjective (thorough) to tell us more about the noun (Knowledge).
S11. Ans. (b)
Sol. Option (b) is the correct choice.
Use ‘found guilty of’ in place of ‘found guilty for’.
Ex- Guilty of murder
Guilty of theft.

S12. Ans. (d)
Sol. Option (d) is the correct choice for the given question.
Replace “not entrusted with” with “not be entrusted with” because ‘should’ is used before ‘not’ and we use V1 after ‘should’ in active voice and be+V3 in passive voice.

S13. Ans. (a)
Sol. The correct sequence is CDAB.
The correct statement after rearrangement:
The MNM’s promise to directly pay women a monthly amount may be viewed (C) as a strategy (D) to grab attention in an over-crowded, highly competitive (A) electoral landscape (B).

S14. Ans. (d)
Sol. Option (d) is the correct choice.
The correct sequence is BDAC.
The correct statement after rearrangement:
With the Indian economy gradually finding (B) its feet after a historic contraction, economic commentators have busied (D) themselves with debating (A) the need for fiscal expansion and the viability (C) of a “V-shaped recovery”.

S15. Ans. (d)
Sol. Option (d) is the correct choice because in the 2nd paragraph of the passage it is mentioned that “the tide is turning. Increasing awareness around these issues has led to a rise in what is known as conscious consumption, a movement of people who seek out ways to make positive decisions about what to buy and look for a solution to the negative impact consumerism is having on our world.”

Q16. Which of the following statement(s) is/are corroborating the statement made by the author that “the tide is turning”?
(i) 74% of those surveyed would pay an extra 5% for their clothes if there was a guarantee that workers were paid fairly
(ii) Awareness about environmentally conscious manufacturing processes among customers while making their choices is increasing.
(iii) Every time we spend our cash, we are making an active choice about the companies we support and the practices we endorse.
(a) Both (i) & (ii)
(b) Both (i) & (iii)
(c) Only (iii)
(d) Only (i)
(e) None of these
S16. Ans.(a)
Sol. Option (a) is correct because both (i) & (ii) are correct. Both these statements indicate conscious consumption and show that the tide has turned (that people's opinion or a situation is changing) (iii) is incorrect and does not show any changing behaviour and is just making a general statement.

Q17. Which of the following statement is true in context of the passage?
(a) The biggest problem with consumerism is the fact that people do not realize that there is a problem.
(b) Difficulty in making an informed choice is increasingly important for the conscious consumer.
(c) We are currently consuming resources at an unsustainable rate, which is causing mass environmental destruction and social problems across the world.
(d) Conscious consumption can help in taking significant number of people out of poverty.
(e) None of these

S17. Ans.(d)
Sol. Option (d) is correct. All the other statements are incorrect (or not mentioned or implied) in context of the passage.
Refer to the 3rd paragraph of the passage, “74% of those surveyed would pay an extra 5% for their clothes .................If you're thinking that 5% doesn't sound like a lot, consider the fact that the fashion industry could take a staggering 125 million people out of poverty by adding only 1% of its profits to workers' wages”

S18. Ans.(a)
Sol. Option (a) is the correct choice.
Refer to the last paragraph of the passage, “I believe technology is the key to dealing with the challenges created by consumerism. Open data, social networks and mobile tech can change the game. Groundbreaking technologies could enable transparency in supply chains”. Information about supply chains, about materials and processes can give add to the conscious movement.

S19. Ans.(b)
Sol. Endorse means to promote the interests or cause of. Hence, promote is the word most similar in meaning.
Censure: to tell somebody, in a strong and formal way, that he/she has done something wrong
Veto: A veto (Latin for "I forbid") is the power (used by an officer of the state, for example) to unilaterally stop an official action, especially the enactment of legislation
Sabotage: a deliberate action aimed at weakening a polity, effort, or organization through subversion, obstruction, disruption, or destruction.
S20. Ans.(e)
Sol. Option (e) is the correct choice.
Staggering means that you find difficult to believe. Hence, confound which means to confuse and surprise somebody is the word most similar in meaning.
Enfeebling: unsympathetic, harsh, or callous.
Mundane: ordinary; not interesting or exciting

S21. Ans.(e)
Sol. Option (e) is the correct choice. All the other options are either grammatically or contextually incorrect.
Embarked: to go onto a journey.
Persist: to continue doing something even though other people say that you are wrong or that you cannot do it
Ceased: to stop or end
Sustaining: to keep somebody/something alive or healthy

S22. Ans.(b)
Sol. The correct sequence is FDEACB.
F is the 1st statement because it is stating the announcement on which the whole discussion is based.
D is the 2nd statement because it is then elaborating the rules mentioned in F
E-A are the next two statements because they are then giving the reason due to which the rules were announce.
C is the penultimate statement because it is stating how these fixes are short term and therefore in the final statement, we can expect a long-term solution.
B Since in C short term fixes are mentioned, B then concludes the paragraph by giving a solution which could be long term.

S23. Ans.(a)
Sol. The correct sequence is FDEACB.
F is the 1st statement because it is stating the announcement on which the whole discussion is based.
D is the 2nd statement because it is then elaborating the rules mentioned in F
E-A are the next two statements because they are then giving the reason due to which the rules were announce.
C is the penultimate statement because it is stating how these fixes are short term and therefore in the final statement, we can expect a long-term solution.
B Since in C short term fixes are mentioned, B then concludes the paragraph by giving a solution which could be long term.
S24. Ans.(c)
Sol. The correct sequence is FDEACB.
F is the 1st statement because it is stating the announcement on which the whole discussion is based.
D is the 2nd statement because it is then elaborating the rules mentioned in F
E-A are the next two statements because they are then giving the reason due to which the rules were announce.
C is the penultimate statement because it is stating how these fixes are short term and therefore in the final statement, we can expect a long-term solution.
B Since in C short term fixes are mentioned, B then concludes the paragraph by giving a solution which could be long term.

S25. Ans.(d)
Sol. The correct sequence is FDEACB.
F is the 1st statement because it is stating the announcement on which the whole discussion is based.
D is the 2nd statement because it is then elaborating the rules mentioned in F
E-A are the next two statements because they are then giving the reason due to which the rules were announce.
C is the penultimate statement because it is stating how these fixes are short term and therefore in the final statement, we can expect a long-term solution.
B Since in C short term fixes are mentioned, B then concludes the paragraph by giving a solution which could be long term.

S26. Ans.(a)
Sol. The correct sequence is FDEACB.
F is the 1st statement because it is stating the announcement on which the whole discussion is based.
D is the 2nd statement because it is then elaborating the rules mentioned in F
E-A are the next two statements because they are then giving the reason due to which the rules were announce.
C is the penultimate statement because it is stating how these fixes are short term and therefore in the final statement, we can expect a long-term solution.
B Since in C short term fixes are mentioned, B then concludes the paragraph by giving a solution which could be long term.

S27. Ans.(c)
Sol. Option (c) is incorrect.
In (c) replace ‘the’ with ‘than’ because after ‘No sooner’ we use ‘than’.

S28. Ans.(a)
Sol. Option (a) is incorrect because in place of ‘which’ we should use ‘that’ because after ‘the same’ we use ‘that’ when the verb is clear.
S29. Ans. (d)
Sol. There is an error in option (d), we will use ‘skilfully’ in place of ‘skilful’ as it describes the specialty of the verb ‘decorated’

S30. Ans. (e)
Sol. All the given statements are correct.

S31. Ans. (a)
Sol. Total unsold CD’s by A & D = 600 x \frac{25}{100} x \frac{80}{100} + 600 x \frac{20}{100} x \frac{75}{100}
= 120 + 90
= 210
Total sold CD’s by C = 600 x \frac{40}{100} x \frac{35}{100} = 84
Required difference = 210 – 84 = 126

S32. Ans. (e)
Sol. Total CD’s sold by E = 600 x \frac{15}{100} x \frac{40}{100} x \frac{225}{100} = 81
Total CD’s ordered by E = 81 x \frac{100}{27} = 300
Total CD’s ordered by C = 600 x \frac{40}{100} = 240
Required percentage = \frac{300 - 240}{240} x 100 = 25%

S33. Ans. (b)
Sol. Total unsold CD’s by B, C & D
= 600 x \frac{15}{100} x \frac{60}{100} + 600 x \frac{40}{100} x \frac{65}{100} + 600 x \frac{20}{100} x \frac{75}{100}
= 54 + 156 + 90 = 300
Required average = \frac{300}{3} = 100

S34. Ans. (a)
Sol. Total CD’s sold by A & D = 600 x \frac{25}{100} x \frac{20}{100} + 600 x \frac{20}{100} x \frac{25}{100}
= 30 + 30 = 60
Total CD’s sold by B = 600 x \frac{15}{100} x \frac{40}{100} = 36
Required ratio = 60 : 36 = 5 : 3

S35. Ans. (a)
Sol. Total CD’s ordered by shopkeeper X = 600 x \frac{20}{100} x \frac{75}{100} x \frac{200}{100} = 180
Unsold CD's by X = 180 x \frac{70}{100} = 126
Unsold CD's by A = 600 x \frac{25}{100} x \frac{80}{100} = 120
Required parentage = \frac{126 - 120}{120} x 100 = 105%
S36. Ans.(e)  
Sol. (i) \( x^2 - 7x + 10 = 0 \)  
\[ x^2 - 2x - 5x + 10 = 0 \]  
\( (x - 2) (x - 5) = 0 \)  
x = 2, 5  
(ii) \( y^2 - 2y - 3 = 0 \)  
\[ y^2 + y - 3y - 3 = 0 \]  
\( (y + 1) (y - 3) = 0 \)  
y = -1, 3  
\[ \therefore \text{no relation} \]

S37. Ans.(c)  
Sol. (i) \( x^2 - 24x + 143 = 0 \)  
\[ x^2 - 11x - 13x + 143 = 0 \]  
\( (x - 11) (x - 13) = 0 \)  
x = 11, 13  
(ii) \( y^2 - 29y + 210 = 0 \)  
\[ y^2 - 14y - 15y + 210 = 0 \]  
\( (y - 14) (y - 15) = 0 \)  
y = 14, 15  
\[ \therefore y > x \]

S38. Ans.(e)  
Sol. (i) \( x^2 + 22x + 117 = 0 \)  
\[ x^2 + 9x + 13x + 117 = 0 \]  
\( (x + 9) (x + 13) = 0 \)  
x = -9, -13  
(ii) \( y^2 + 23y + 132 = 0 \)  
\[ y^2 + 11y + 12y + 132 = 0 \]  
\( (y + 11) (y + 12) = 0 \)  
y = -11, -12  
\[ \therefore \text{no relation} \]

S39. Ans.(b)  
Sol. (i) \( 2x^2 - 3x - 20 = 0 \)  
\[ 2x^2 - 8x + 5x - 20 = 0 \]  
\( 2x (x - 4) + 5(x - 4) = 0 \)  
\( (x - 4) (2x + 5) = 0 \)  
x = 4, -5/2  
(ii) \( 2y^2 + 11y + 15 = 0 \)  
\[ 2y^2 + 6y + 5y + 15 = 0 \]  
\( 2y (y + 3) + 5 (y + 3) =0 \)  
\( (2y + 5) (y + 3) =0 \)  
y = -\( \frac{5}{2} \), -3  
x \geq y
S40. Ans.(d)
Sol. (i) \( x^2 - 12x + 32 = 0 \)
\( x^2 - 8x - 4x + 32 = 0 \)
\( x(x - 8) - 4(x - 8) = 0 \)
\( (x - 8)(x - 4) = 0 \)
\( x = 8, 4 \)
(ii) \( y^2 - 20y + 96 = 0 \)
\( y^2 - 12y - 8y + 96 = 0 \)
\( y(y - 12) - 8(y - 12) = 0 \)
\( (y - 8)(y - 12) = 0 \)
\( y = 8, 12 \)
\( y \geq x \)

S41. Ans.(c)
Sol. Let speed of current be \( x \) km/hr.
ATQ,
\( (240 - x) \times \frac{60}{100} = x \)
\( 144 - 0.6x = x \)
\( 1.6x = 144 \)
\( x = 90 \)
speed in upstream = \( 240 - 90 = 150 \) km/hr

S42. Ans.(a)
Sol. ATQ,
\[ 2X(1.08)^2 - 2X - \frac{X \times 15 \times X}{100} = 820 \]
\[ 2.3328X - 2X - \frac{3X}{10} = 820 \]
\[ \Rightarrow \frac{3328X}{10000} - \frac{3X}{10} = 820 \]
\[ \Rightarrow \frac{328X}{10000} = 820 \]
\[ X = 25000 \text{ Rs.} \]

S43. Ans.(b)
Sol. Speed of train A = \( \frac{400}{16} = 25 \) m/sec
So, speed of train B = \( 25 \) m/sec
ATQ,
\[ \frac{400 + x}{25} = 24 \]
\( x = 200 \text{ m} \)
Now time required to cross platform by B
\[ = \frac{400 + 200 + 400}{25} = 40 \text{ sec} \]
S44. Ans.(d)  
Sol. Ratio of efficiency of A and B = 3 : 5  
⇒ Time taken be A and B alone to complete the work = 5 : 3  
Ratio of time taken by B and C alone to complete the work = 4 : 5  
⇒ Ratio of time taken by A, B and C alone to complete the work = 20 : 12 : 15  
Let, A, B and C alone can complete the work alone is 20x, 12x and 15x days respectively.  
ATQ,  
\[ \frac{12}{20x} + \frac{12}{12x} = \frac{80}{100} \]  
\[ \frac{144+240}{240x} = \frac{4}{5} \]  
\[ \frac{5\times384}{4\times240} = x \]  
⇒ x = 2  
Let in ‘a’ days ‘B’ and ‘C’ can complete 60% of work  
ATQ,  
\[ \frac{a}{12\times2} + \frac{a}{15\times2} = \frac{60}{100} \]  
\[ \frac{5a+4a}{120} = \frac{3}{5} \]  
⇒ a = \( \frac{3}{5} \times \frac{120}{9} \) = 8 days  

S45. Ans.(d)  
Sol. Let side of square be a cm.  
∴ \( a^2 = 400 \) cm²  
a = 20 cm  
Length of rectangle (ℓ) = 20 × 1.4 = 28 cm  
ATQ,  
4 × 20 = 2(ℓ + b) \[ b \rightarrow \text{breadth of rectangle} \]  
80 = 2 (28 + b)  
b = 12 cm  
∴ Area of rectangle = 28 × 12 = 336 cm²  

S46. Ans.(b)  
Sol. Let cost price of shirt = 100x  
So, cost price of jeans = 132.5x  
New cost price of jeans = 132.5x × 1.3 = 172.25x  
Selling price of jeans = 172.25x × 1.25 = 215.3125x  
Cost price of jeans = 4134 \times \frac{132.5x}{215.3125x}  
= 2544 Rs.  
Cost price of shirt = 2544 \times \frac{100x}{132.5x} = 1920 Rs.  
Marked price of shirt = 1920 \times \frac{115}{100} = 2208 Rs.
Alternate
Let cost price of jeans = 53x
So, cost price of shirt = 40x
New cost price of jeans = 53x × 1.3 = 68.9x
Selling price of jeans = 68.9x × 1.25
So, 4134 = 68.9x × 1.25
x = 48
Cost price of shirt = 40x = 48 = 1920 Rs.
Marked price of shirt = 1920 × \frac{115}{100} = 2208 Rs

S47. Ans.(c)
Sol. Let quantity of water in first mixture be x liters
Then quantity of milk in the first mixture = (x+6) lit
Quantity of water added = 15 ltr
And quantity of milk added = 25 lit
ATQ
\frac{x+15}{x+6+25} = \frac{9}{13}
\Rightarrow \frac{x}{x+21} = 1
Total quantity of water in final mixture = 36 ltrs.

S48. Ans.(d)
Sol. Let total profit = 100x
A get 20% of total profit for managing business = 20x
Remaining profit is shared in the ratio of their profit sharing
= 8000 × 5 : 10,000 × 12
= 1 : 3
Remaining profit is divided between A and B in the ratio 1 : 3.
\Rightarrow A’s total profit = 20x + 80x × \frac{1}{4}
= 20x + 20x
= 40x
ATQ,
40x = 2500
\Rightarrow Total profit = 100x = \frac{2500}{40} × 100
= 6250

S49. Ans.(a)
Sol. Let salary of man be Rs. 100 (%)

\begin{align*}
100 & \quad \text{rent} \\
80 & \quad \text{bills} \\
72 & \quad 14.4 \text{ miscellaneous expenditure} \\
57.6 & \quad 25.6 \text{ mutual funds} \\
32 & \quad \text{wife}
\end{align*}

Amount spent on rent = \frac{20}{100} × 50000 = Rs. 10000
Amount invested in mutual funds = \frac{25.6}{100} × 50000 = Rs. 12800
Required difference = 12800-10000 = 2800 Rs
S50. Ans.(b)
Sol. In this case we need to select the probability of choosing one bag out of two given bags which will be \(\frac{1}{2}\)
So, the required probability \(= \frac{1}{2} (\text{Red ball from bag 1} + \text{Red ball from bag 2})\)
\[= \frac{1}{2} \left( \frac{7}{14} + \frac{5}{14} \right) \]
\[= \frac{12}{28} = \frac{6}{14} = \frac{3}{7} \]

S51. Ans.(e)
Sol. Total female visitors on Sunday = 120 \(\times\) \(\frac{76}{24} = 380 \)
Total female visitors on Monday = 280 \(\times\) \(\frac{30}{70} = 120 \)
Total female visitors on Tuesday = 500 \(\times\) \(\frac{37.5}{62.5} = 500 \times \frac{3}{5} = 300 \)
Total female visitors on Wednesday = 420 \(\times\) \(\frac{40}{60} = 280 \)
Required difference = 300 + 280 − 380 − 120 = 580 − 500 = 80

S52. Ans.(c)
Sol. Total visitors on Wednesday = 420 \(\times\) \(\frac{100}{60} = 700 \)
Total number of visitors on Sunday = 120 \(\times\) \(\frac{100}{24} = 500 \)
Required percentage = \(\frac{70−50}{50} \times 100 = 40\% \)

S53. Ans.(a)
Sol. Total number of male visitors on Friday = \(\frac{125}{100} \times 280 = 350 \)
Total number of female visitors on Friday = \(\frac{140}{100} \times 500 \times \frac{100}{62.5} = 1120 \)
Total visitors on Friday = 1120 + 350 = 1470

S54. Ans.(b)
Sol. Total number of visitors on Wednesday = 420 \(\times\) \(\frac{100}{60} = 700 \)
Total number of female visitors on Sunday and Monday = 120 \(\times\) \(\frac{76}{24} + 280 \times \frac{30}{70} = 380 + 120 = 500 \)
Required difference = 700 − 500 = 200

S55. Ans.(b)
Sol. Total number of visitors on all four days = 120 \(\times\) \(\frac{100}{24} + 280 \times \frac{100}{70} + 500 \times \frac{100}{62.5} = 420 \times \frac{100}{60} \)
\[= 500 + 400 + 800 + 700 = 2400 \]
Total number of guides required = \(\frac{2400}{5} = 480 \)

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S56. Ans.(e)  
Sol. Wrong number = 158  
Pattern of series -

\[
\begin{array}{ccccccccc}
5 & 18 & 34 & 54 & 79 & 110 & 148 \\
+13 & +16 & +20 & +25 & +31 & +38 \\
+3 & +4 & +5 & +6 & +7 \\
\end{array}
\]

So, there should be 148 in the place of 158

S57. Ans.(c)  
Sol. Wrong number = 134  
Pattern of series -

\[
\begin{align*}
112 + 16 &= 128 \\
128 - 20 &= 108 \\
108 + 24 &= 132 \\
132 - 28 &= 104 \\
104 + 32 &= 136 \\
136 - 36 &= 100
\end{align*}
\]

So, should be 136 come in the place of 134.

S58. Ans.(d)  
Sol. Wrong number = 920  
Pattern of series -

\[
\begin{align*}
5 \times 1 + 1 &= 6 \\
6 \times 2 + 2 &= 14 \\
14 \times 3 + 3 &= 45 \\
45 \times 4 + 4 &= 184 \\
184 \times 5 + 5 &= 925 \\
925 \times 6 + 6 &= 5556
\end{align*}
\]

So, 925 should come in the place of 920.

S59. Ans.(a)  
Wrong number = 92  
Pattern of series -

\[
\begin{array}{cccccc}
10 & 22 & 35 & 50 & 68 & 90 \\
+12 & +13 & +15 & +18 & +22 & +27 \\
+1 & +2 & +3 & +4 & +5 \\
\end{array}
\]

So, 90 should come in the place of 92.
Wrong number is 860.

Solutions (61–65):

Let total students in A = a
And, total students in B = b

Total students in Commerce in A = \(a \times \frac{75}{4} \times \frac{1}{100} = \frac{3a}{16}\)

Total students in Science in B = \(b \times \frac{200}{7} \times \frac{1}{100} = \frac{2b}{7}\)

Given, \(\frac{3a}{16} + \frac{2b}{7} = 105 \) --------------- (i)

And \(a + b = 450 \) ------------------------ (ii)

So, from (i) and (ii),
Total students in A = 240
Total students in B = 210

Total students in Commerce in B = \(\frac{400}{21} \times \frac{1}{100} \times 210 = 40\)

Total students in Art in A = \(\frac{1}{2} \times 240 = 120\)

Now, total students in Science in A = \(240 - \frac{3}{16} \times 340 - 120 = 75\)

And total students in Art in B = \(210 - \frac{2}{7} \times 210 - 40 = 110\)

<table>
<thead>
<tr>
<th>Stream</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>120</td>
<td>110</td>
</tr>
<tr>
<td>Science</td>
<td>75</td>
<td>60</td>
</tr>
<tr>
<td>Commerce</td>
<td>45</td>
<td>40</td>
</tr>
<tr>
<td>Total</td>
<td>240</td>
<td>210</td>
</tr>
</tbody>
</table>

S61. Ans.(d)
Sol. Required percentage = \(\frac{120 - 60}{60} \times 100 = 100\%\)

S62. Ans.(a)
Sol. Required ratio = \(\frac{40}{75} = 8 : 15\)

S63. Ans.(e)
Sol. Total students in Art & Commerce in C = \(180 - 40 \times \frac{125}{100} = 130\)

Required difference = \((120 + 45) - 130 = 35\)

S64. Ans.(b)
Sol. Required average = \(\frac{75 + 60}{2} = \frac{135}{2}\)
S65. Ans.(c)
Sol. total boys in Art from both sections = \(120 \times \frac{5}{8} + 110 \times \frac{7}{11}\)
= 75 + 70 = 145

Solutions (66-70): From the given statements, two persons sit between D and S, who faces to the center. Here we get 2 possibilities i.e. Case 1 and Case 2. Q sits immediate to the right of D. Both R and C are sitting opposite to each other. C sits near to Q.

Case 1

Case 2

From the given statements, only one person sits between A and B, who does not sit near to D. Here Case 2 is ruled out now.
So, the final arrangement will be like this-

S66. Ans.(a)
S67. Ans.(b)
S68. Ans.(e)
S69. Ans.(d)
S70. Ans.(d)

Solutions (71-73):

F(-) \(\Rightarrow\) M(+)
\(\text{P} \downarrow\)
H(+) \(\Rightarrow\) L(-) \(\Rightarrow\) G(+)
\(\text{K(-) \Rightarrow T(+)}\)

S71. Ans.(c)
S72. Ans.(c)
S73. Ans.(a)
Solutions (74-77):

<table>
<thead>
<tr>
<th>Words</th>
<th>Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>work</td>
<td>gi</td>
</tr>
<tr>
<td>just</td>
<td>ds</td>
</tr>
<tr>
<td>not</td>
<td>nj</td>
</tr>
<tr>
<td>done</td>
<td>hq</td>
</tr>
<tr>
<td>same</td>
<td>sw</td>
</tr>
<tr>
<td>equal</td>
<td>as</td>
</tr>
<tr>
<td>opposite</td>
<td>ap</td>
</tr>
<tr>
<td>case</td>
<td>kl</td>
</tr>
<tr>
<td>but</td>
<td>mn</td>
</tr>
<tr>
<td>and</td>
<td>xz</td>
</tr>
</tbody>
</table>

S74. Ans.(a)  
S75. Ans.(b)  
S76. Ans.(c)  
S77. Ans.(c)

Solutions (78-82): There are more than three students have exam after A. Only one student has exam between A and H. From these conditions we have four possible cases-

<table>
<thead>
<tr>
<th></th>
<th>Case- 1</th>
<th>Case- 2</th>
<th>Case- 3</th>
<th>Case- 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>H</td>
<td></td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Tuesday</td>
<td>A</td>
<td></td>
<td>H</td>
<td></td>
</tr>
<tr>
<td>Wednesday</td>
<td>A</td>
<td>A</td>
<td>H</td>
<td></td>
</tr>
<tr>
<td>Thursday</td>
<td></td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friday</td>
<td>H</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturday</td>
<td></td>
<td>B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sunday</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

G has exam before H but not immediate before H. By this condition case- 1 and case- 4 are cancelled. There are three students have exam between G and B. So new arrangement will be-

<table>
<thead>
<tr>
<th></th>
<th>Case- 2</th>
<th>Case- 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>G</td>
<td></td>
</tr>
<tr>
<td>Tuesday</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Wednesday</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Thursday</td>
<td></td>
<td>H</td>
</tr>
<tr>
<td>Friday</td>
<td>H</td>
<td>B</td>
</tr>
<tr>
<td>Saturday</td>
<td></td>
<td>B</td>
</tr>
<tr>
<td>Sunday</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
There are three students have exam between D and E, who does not have exam in the last day of week. By this condition case- 2 is cancelled. So final arrangement will be-

<table>
<thead>
<tr>
<th>Day</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>G</td>
</tr>
<tr>
<td>Tuesday</td>
<td>A</td>
</tr>
<tr>
<td>Wednesday</td>
<td>E</td>
</tr>
<tr>
<td>Thursday</td>
<td>H</td>
</tr>
<tr>
<td>Friday</td>
<td>B</td>
</tr>
<tr>
<td>Saturday</td>
<td>L</td>
</tr>
<tr>
<td>Sunday</td>
<td>D</td>
</tr>
</tbody>
</table>

S78. Ans.(c)  
S79. Ans.(d)  
S80. Ans.(b)  
S81. Ans.(a)  
S82. Ans.(e)  

Solutions (83-85):

S83. Ans.(a)  
**Sol. I:** R>Y (True)  
**II:** J<B (False)  

S84. Ans.(d)  
**Sol. I:** Z≤I (False)  
**II:** O>G (False)  

S85. Ans.(c)  
**Sol. I:** E>B (False)  
**II:** B=E (False)  

Solutions (86-88):

S86. Ans.(d)  
S87. Ans.(e)  
S88. Ans.(b)
S89. Ans. (e)
Sol.

S90. Ans. (d)
Sol. Words are- D, A, E, R
Meaningful words will be **Dear, Dare, Read**.

**Solutions (91-95):** From the given statements, there is one person sits between N and M and one of them are sit at the extreme end of the row. There are three persons sit between N and C. L sits 2nd to the left of C. **Here we get 3 possibilities i.e. Case 1, Case 2 and Case 3.**

**Case 1**

\[
\text{M} - \text{N} - \text{L} - \text{C} 
\]

**Case 2**

\[
\text{L} - \text{C} - \text{M} - \text{N} 
\]

**Case 3**

\[
\text{L} - \text{C} - \text{N} - \text{M} 
\]

From the given statements, there are six persons sit between C and B, who sits 3rd from one of the end. B sits 2nd to the left of R, who does not sit at the extreme end. **From this condition Case 1 is ruled out now.**

**Case 2**

\[
\text{B} - \text{R} - \text{L} - \text{C} - \text{M} - \text{N} 
\]

**Case 3**

\[
\text{B} - \text{R} - \text{L} - \text{C} - \text{N} - \text{M} 
\]

From the given statements, there are four persons sit between O and N. More than three persons sit between M and O. **From this condition Case 2 is ruled out now.** There are two persons sit between K and R.

\[
\text{K} - \text{B} - \text{R} - \text{L} - \text{O} - \text{C} - \text{N} - \text{M} 
\]

S91. Ans. (e)
S92. Ans. (b)
S93. Ans. (c)
S94. Ans. (b)
S95. Ans. (b)
Sol.
Solutions (96-100): From the given statements, three boxes are placed between M and T. M is placed either at the top most or bottom most position. Here we get 2 possibilities i.e. Case 1 and Case 2. Box S is placed just below to the box T. There are two boxes placed between R and S.

<table>
<thead>
<tr>
<th>Case 1</th>
<th>Case 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boxes</td>
<td>Boxes</td>
</tr>
<tr>
<td>M</td>
<td>R</td>
</tr>
<tr>
<td>R</td>
<td>T</td>
</tr>
<tr>
<td>T</td>
<td>S</td>
</tr>
<tr>
<td>S</td>
<td></td>
</tr>
<tr>
<td></td>
<td>M</td>
</tr>
</tbody>
</table>

From the given statements, not more than two boxes placed between M and R. Here case 2 is ruled out now. Box O is placed just above to the box N. More than three boxes placed between O and P. So, the final arrangement will be like this-

<table>
<thead>
<tr>
<th>Boxes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
</tr>
<tr>
<td>P</td>
</tr>
<tr>
<td>R</td>
</tr>
<tr>
<td>Q</td>
</tr>
<tr>
<td>T</td>
</tr>
<tr>
<td>S</td>
</tr>
<tr>
<td>O</td>
</tr>
<tr>
<td>N</td>
</tr>
</tbody>
</table>

S96. Ans.(a)
S97. Ans.(d)
S98. Ans.(e)
S99. Ans.(c)
S100. Ans.(e)