S1. Ans.(e)
Sol. After reading the first paragraph of the passage it can be deduced that the correct answer is option (e). The relevant sentences of the mentioned sentences have been quoted below: -
"The advent of COVID-19 has created an unparalleled, never before global health and economic crisis which the world was not ready to face or ever predicted. Most of the world population went on lockdown to stop the spread of COVID-19 which has claimed more than a million lives already and sparked fear of the worst global recession since the great depression. This has had a profound impact on businesses and workplace, as well as the mental and physical well-being of every corporate worker in the world"

S2. Ans.(e)
Sol. After reading the second paragraph of the passage it can be deduced that the correct answer is option (e).

S3. Ans.(e)
Sol. After reading the last paragraph of the passage it can be deduced that the correct answer is option (e). The relevant sentences of the mentioned sentences have been quoted below: -
"In the post-COVID-19, we will also see the techie gig workers of the new normal world emerging in large numbers. These are people who will focus on short-term projects, work for a few months and then leave for a long Himalayan hike. Multiple employment opportunities may emerge as a new norm with the government being forced to come out with new amendments in labour laws to support the newfound gig world."

S4. Ans.(c)
Sol. Refer to the last line of the second paragraph "In fact, some companies which have tried large-scale remote working in the past have ultimately abandoned it, including Yahoo, a technology firm, in 2013. "Some of the best decisions and insights come from hallway and cafeteria discussions, meeting new people, and impromptu team meetings," a leaked internal memo read that year. Thus, as a counterview, home place can never work as an alternative to the workplace."

S5. Ans.(c)
Sol. After reading the relevant paragraph of the passage it can be deduced that the correct answer is option (c).

S6. Ans.(e)
Sol. The correct answer is (e), HEIRARCHY means- the ranking order of any organization, family, society. It is used to refer to the reporting structure of any place.

S7. Ans.(d)
Sol. The correct answer is (d), REFLECTIVE means- thoughtful, or as a consequence. All the other words are ANTONYMS of REFLECTIVE.

S8. And. (e)
Sol. The correct answer is (e), OPPORTUNITY refers to a chance, for someone to take an action related to anything. It is a positive word, used to refer to something good. CLOSURE means- an end, a conclusion to something. All the other words are SYNONYMS of OPPORTUNITY.

S9. Ans.(c)
Sol. Use 'necessity' in place of 'necessary because 'necessary' is an ADJECTIVE while 'necessity' is a NOUN.

S10. Ans.(b)
Sol. Use 'has visited' in place of 'visit' because we use 'recently' in PRESENT PERFECT or SIMPLE PAST.

S11. Ans.(e)
Sol. No error

S12. Ans.(d)
Sol. Use 'understood' in place of 'understand' because in Passive Voice we use To Be + V^3

S13. Ans.(b)
Sol. Use 'of' in place of 'by' because with "pros and cons", we use PREPOSITION 'of'.

S14. Ans.(b)
S15. Ans.(d)
S16. Ans.(e)
S17. Ans.(a)
S18. Ans.(a)

S19. Ans.(a)
Sol. 'It was not until many years' is the correct use.

S20. Ans.(b)
Sol. 'worse than I had expected' is the correct use.

S21. Ans.(a)
Sol. 'to make both ends meet' is the correct use.

S22. Ans.(d)
Sol. 'having admitted' is the correct use.

S23. Ans.(b)
Sol. "**CBA**" is the correct sequence.
The AIIMS authorities **submitted (C)** a **preliminary(B)** report to the state medical and health **department(A)** on Monday night.

S24. Ans.(a)
Sol. "**BAC**" is the correct sequence.
There has been a **growing(B)** discussion on the state of the **economy(A)** ever since the government **released(C)** the second quarter GDP estimates.

S25. Ans.(d)
Sol. "**ACB**" is the correct sequence.
The national **lockdown(A)** simply ensured **parity(C)** of policy as the Centre prepared a **comprehensive(B)** strategy to deal with the pandemic.

S26. Ans.(c)
Sol. "**CAB**" is the correct sequence.
Anyone could see the **workmanship (C)** that went into the **metalwork(A)** of the hand-crafted coffee table the couple **received(B)** as a wedding gift.

S27. Ans.(b)
Sol. The correct sequence is EDABC.
With a huge shortage in medical specialists in Meghalaya, the cabinet on Monday approved a proposal for setting up of a special training for serving MBBS physicians.

S28. Ans.(e)
Sol. The correct sequence is CEDAB.
The starstruck fan was too shocked to speak, so he just stared and blinked his eyes over and over again.

S29. Ans.(d)
Sol. The correct sequence is AEBDC.
Nadia performed effortlessly on her first try in ballet class while Shane struggled for three weeks before he executed one properly.

S30. Ans.(c)
Sol. The given arrangement is correct. Hence option (c) is the correct choice.

S31. Ans.(b)
Sol.
$15 + \frac{40}{?} = 25$
$\frac{40}{?} = 10$
$? = 4$

S32. Ans.(d)
Sol.
$\sqrt{1215 \times 60} = 3^? \times 10$
$\sqrt{72900} = 3^? \times 10$
$270 = 3^? \times 10$
$3^? = 27$
$? = 3$

S33. Ans.(a)
Sol. $1\frac{3}{5} \times \frac{5}{6} \times \frac{5}{8} \, of \, \frac{3}{2} \times ? = 150$
$\frac{8}{5} \times \frac{5}{6} \times \frac{15}{16} \times ? = 150$
$? = 120$

S34. Ans.(b)
Sol. $? = \frac{2.16 \times 31.25}{27}$
$? = 2.5$

S35. Ans.(d)
Sol. $6080 \div 19 = ?\% \text{ of } 256$
$320 = ? \times \frac{256}{100}$
$? = 125$

S36. Ans.(c)
Sol.
$65\% \times 480 - ? + 175 = 350$
$? = 137$

S37. Ans.(a)
Sol.
$10^2 + \frac{12}{2} \times 16 = ?$
$? = 196$

S38. Ans.(d)
Sol.
$189 + 121 + 784 = ? + 412$
$1094 - 412 = ?$
$? = 682$

S39. Ans.(d)
Sol.
$\frac{144}{?} + \frac{40}{100} \times 250 = 108$
$\frac{144}{?} + 100 = 108$
$\frac{144}{?} = 8$
$? = 18$

S40. Ans.(d)

Sol. $\frac{?}{100} \times 480 + 108 = (18)^2$

$\frac{?}{100} \times 480 = 324 - 108$

$\frac{?}{100} \times 480 = 216$

$? = \frac{216 \times 100}{480}$

$? = 45$

S41. Ans.(a)

Sol. Total students in A & B in March = 46 + 44 = 90

Total students in A, B & C in June = 52 + 38 + 60 = 150

Required percentage = $\frac{150-90}{150} \times 150 = 40\%$

S42. Ans.(e)

Sol. Average number of students in D in month of March, April and June = $\frac{56+52+72}{3} = 60$

Average number of students in B in month of April & June = $\frac{48+38}{2} = 43$

Required difference = 60 – 43 = 17

S43. Ans.(e)

Sol. Total students in A in March & May = 46 + 64 = 110

Total students in C in April & June = 40 + 60 = 100

Required percent = $\frac{110-100}{100} \times 100 = 10\%$

S44. Ans.(b)

Sol. Total students in C in March & May = 36 + 45 = 81

Total students in A in April & June = 32 + 52 = 84

Required ratio = 81 : 84 = 27 : 28

S45. Ans.(c)

Sol. Required sum = 56 + 52 + 50 + 72 = 230

S46. Ans.(d)

Sol. Let the length of train be L meter.

ATQ

$25 = \frac{5L+L}{90 \times \frac{5}{18}} - \frac{L}{90 \times \frac{5}{18}}$

$25 = \frac{6L}{25} - \frac{L}{25}$

$5L = 625$

$L = \frac{625}{5} = 125 \, m$

S47. Ans.(b)

Sol. Let total work be 60 units

So, efficiency of A = 4 units/day

And efficiency of B = 3 units/day

Let efficiency of C = x units/day

ATQ

$(4 + 3 + x) \times 6 = 60$

x = 3 units/day

ratio of efficiency of A :B :C = 4 :3 :3

C's share in wage $= \frac{3}{10} \times 5400 = Rs\ 1620$

S48. Ans.(b)

Sol. Let the sum and rate of interest be Rs P and R% respectively.

Second year C.I. = 2 years S.I. + interest of one year on first year S.I.

2-year S.I. = Rs.500

1-year S.I. = Rs.250

So, interest on first year S.I. = 550 – 500 =Rs. 50

Rate of interest $= \frac{50}{250} \times \times 100 = 20\%$

S49. Ans.(c)

Sol. Downstream speed of boat $= 11.2 \times \frac{60}{48} = 14$ km/hr

Speed of boat $= 14 \times \frac{3}{4} = 10.5$ km/hr

Speed of current $= 14 \times \frac{1}{4} = 3.5$ km/hr

Required time $= \frac{42}{(10.5+3.5)} + \frac{42}{(10.5-3.5)}$

= 3 + 6

= 9 hours

S50. Ans.(a)

Sol. ATQ –

$66\frac{2}{3}\% \rightarrow \frac{2}{3}$

$\frac{(x-30)\frac{13}{20}+2.5}{(x-30)\frac{7}{20}} = \frac{2}{1}$

$\Rightarrow \frac{13}{20}x - 19.5 + 2.5 = \frac{14}{20}x - 21$

$\frac{x}{20} = 21 - 17$

x= 20 × 4

x = 80 lit

S51. Ans.(d)
Sol. Let age of P & Q six years ago be 3x years and 7x years respectively.
ATQ—
$\frac{3x+12}{7x+12} = \frac{5}{9}$
27x + 108 = 35x + 60
8x = 48
x = 6 years
Required ratio = $\frac{3x+6}{7x+6}$
$= \frac{3 \times 6 + 6}{7 \times 6 + 6}$
$= \frac{24}{48}$
= 1 : 2

S52. Ans.(a)
Sol. Let cost price = $Rs\ 100x$
So, marked price = $\frac{120}{100} \times 100x = Rs\ 120x$
And selling price = $\frac{75}{100} \times 120 = Rs\ 90x$
ATQ
$90x = 1080$
$x = 12$
So, cost price = $100x = Rs\ 1200$

S53. Ans.(e)
Sol. Let the total work be 120 units (LCM)
So, the efficiency of A + B = 5 units/day
the efficiency of B + C = 8 units/day
the efficiency of A + C = 6 units/day
∴ the efficiency of A + B + C = $\frac{5+8+6}{2} = \frac{19}{2}$ units/day
So, the efficiency of B = $\frac{19}{2} - 6 = \frac{7}{2}$ units/day
Let the time taken by B to complete the remaining work be x days.
ATQ
$\frac{19}{2} \times 6 + \frac{7}{2} \times x = 120$
$x = 18\ days$

S54. Ans.(a)
Sol. Let length of rectangle be x cm
So, breadth of rectangle = (x – 14) cm
ATQ –
2 [x + (x – 14)] = 92
2x = 60
x = 30 cm
Side of square = 2 (30 – 14) = 32 cm
So, required area = 32 × 32 = 1024 cm²

S55. Ans.(d)

Sol. ATQ –

$$\frac{P \times 4 + 2P \times 8}{2400 \times 8} = \frac{2000}{4400 - 2000}$$

$$\frac{20P}{19200} = \frac{5}{6}$$

4P = 3200

P = 800 Rs.

S56. Ans.(e)

Sol. I. $x^2 + 9x - 22 = 0$

⇒ x² + 11x – 2x – 22 = 0

⇒ (x + 11) (x – 2) = 0

⇒ x = – 11, 2

II. 2y² – 7y + 6 = 0

⇒ 2y² – 4y – 3y + 6 = 0

⇒ 2y(y–2)–3(y–2) =0

⇒ (y–2) (2y–3) = 0

⇒ y = 2, $\frac{3}{2}$

No relation

S57. Ans.(e)

Sol. I. 2y² – 13y – 34 = 0

⇒ 2y² – 17y + 4y – 34 = 0

⇒ y(2y–17) + 2(2y–17) = 0

⇒ (2y–17) (y+2) = 0

⇒ y = $\frac{17}{2}$, – 2

II. 3x² – 11x – 20 = 0

⇒ 3x² – 15x + 4x – 20 = 0

⇒ 3x (x–5) + 4(x–5) =0

⇒ (x – 5) (3x + 4) = 0

⇒ x = 5, $\frac{-4}{3}$

No relation

S58. Ans.(b)

Sol. I. x^4 = 256

⇒ x = ± 4

II. y² – 16y + 64 = 0

⇒ (y – 8) ² = 0

⇒ y = 8

y > x

S59. Ans.(a)
Sol. I. $x^2 - 8x + 15 = 0$
$\Rightarrow x^2 - 5x - 3x + 15 = 0$
$\Rightarrow x(x-5) - 3(x-5) = 0$
$\Rightarrow (x-3)(x-5) = 0$
$\therefore x = 3 \ or \ 5$
II. $y^2 - 3y + 2 = 0$
$\Rightarrow y^2 - 2y - y + 2 = 0$
$\Rightarrow y(y-2) - 1(y-2) = 0$
$\Rightarrow (y-1)(y-2) = 0$
$\therefore$ y = 1 or 2
$\therefore x > y$

S60. Ans.(a)
Sol. I. $x^2 - 8x + 15 = 0$
$\Rightarrow x^2 - 5x - 3x + 15 = 0$
$\Rightarrow x(x-5) - 3(x-5) = 0$
$\Rightarrow (x-3)(x-5) = 0$
$\therefore x = 3 \ or \ 5$
II. $y^2 - 3y + 2 = 0$
$\Rightarrow y^2 - 2y - y + 2 = 0$
$\Rightarrow y(y-2) - 1(y-2) = 0$
$\Rightarrow (y-1)(y-2) = 0$
$\therefore$ y = 1 or 2
$\therefore x > y$

Solutions (61-65):
Let the income of A, C & D be Rs. 4x, Rs. 3x & Rs. 6x respectively.
Saving of D = Rs 4x
Expenditure of D = Rs. 2x
Saving of C = Rs. x
Expenditure of A = 4x – (x + 3000)
= Rs. (3x - 3000)
Expenditure of B = Rs. 2.5x
ATQ
3x – 3000 = 2.5x
$\Longrightarrow$ x = 6000.

	Income	Exp.	Savings
A	24000	15000	9000
B	30000	15000	15000
C	18000	12000	6000
D	36000	12000	24000

S61. Ans.(b)

Sol. Required average = $\frac{15000+6000+24000}{3}$ = Rs. 15000.

S62. Ans.(a)

Sol. Required percentage = $\frac{9000}{12000} \times 100 = 75\%$

S63. Ans.(e)

Sol. Required difference = Rs. {(24000 + 36000) − (30000 + 18000)}

= Rs. 12000.

S64. Ans.(c)

Sol. Required amount = $\frac{45 \times 15000}{100} + \frac{40}{100} \times 15000$

= Rs. 12750.

S65. Ans.(c)

Sol. required % = $\frac{(15000+24000)-24000}{24000} \times 100$

= 62.5%

Solutions (66-70):

```
+---+---+---+---+---+---+ Row-1
  F   B   D   E   A   C
  Q   R   P   U   T   S
+---+---+---+---+---+---+ Row-2
```

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

S71. Ans.(b)
Sol. I. A > C (False)   **II.** E < B (True)
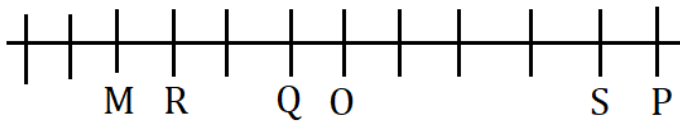
S72. Ans.(a)
Sol. I. Q > T (True)   **II.** S ≤ V (False)

S73. Ans.(d)
Sol. I. F < N (False)   **II.** N > D (False)
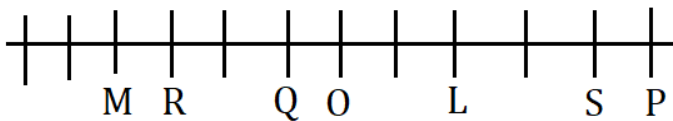
Solutionss (74-78):

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

S78. Ans.(c)
Sol.

S79. Ans.(a)
Sol. E78

S80. Ans.(c)
Sol. S & 7, Q * 5, V $ 1

S81. Ans.(e)
Sol. Q5$

S82. Ans.(e)

S83. Ans.(e)
Sol.
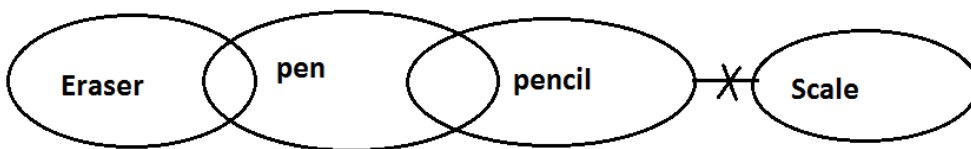
S84. Ans.(b)
Sol.
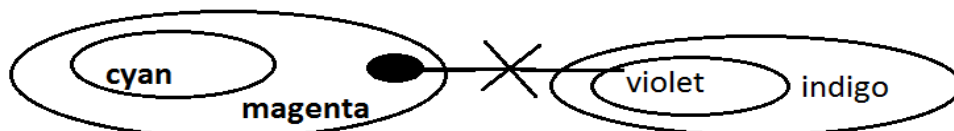
S85. Ans.(d)
Sol.
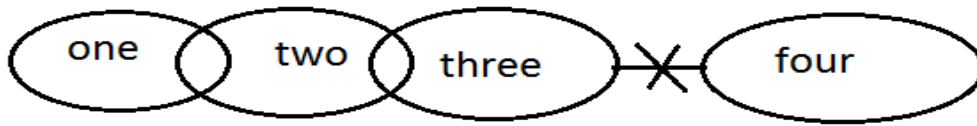
Solutions (86-90):

Designations	Persons
DGP	V
MD	U
CEO	S
JE	T
PO	W
CLERK	X

S86. Ans.(c)
S87. Ans.(c)
S88. Ans.(a)
S89. Ans.(c)
S90. Ans.(e)

S91. Ans.(a)
Sol. 552 753 343 729 480

552   573   433   279   840

S92. Ans.(e)

S93. Ans.(b)
Sol. 552 753 343 729 480

754 > 730 > (553) > 481 > 344

S94. Ans.(c)
Sol. Third digit of the third number from the right end = 3
first digit of the second number from the left end = 7
Difference= 7-3= 4

S95. Ans.(d)
Sol. Words formed by T, R, A, E are rate, tear and tare

Solutionss (96-100):

The following are the codes of the words in the given code language:

words	codes
triangle	kl
octagon	op
hexagon	ji
square/rhombus	qr/uv
parallelogram	wx
circle	mn
rectangle	st
nonagon	yz

S96. Ans.(a)

S97. Ans.(c)

S98. Ans.(b)

S99. Ans.(e)

S100. Ans.(d)