

ANSWER KEY

Section I		Section II		Section III		Section IV		Section V		Section VI	
Q.	Ans.	Q.	Ans.	Q.	Ans.	Q.	Ans.	Q.	Ans.	Q.	Ans.
1	2	16	3	39	2	63	4	79	3	100	2
2	1	17	1	40	2	64	3	80	1	101	2
3	3	18	2	41	4	65	1	81	2	102	1
4	4	19	4	42	1	66	2	82	1	103	2
5	3	20	2	43	3	67	1	83	4	104	1
6	2	21	4	44	3	68	1	84	2	105	2
7	4	22	1	45	4	69	4	85	1	106	2
8	2	23	4	46	3	70	3	86	3	107	3
9	4	24	3	47	2	71	4	87	4	108	4
10	2	25	2	48	1	72	3	88	3	109	3
11	2	26	1	49	2	73	1	89	1	110	2
12	2	27	3	50	4	74	4	90	4	111	4
13	3	28	4	51	2	75	3	91	3	112	3
14	4	29	3	52	1	76	2	92	1	113	3
15	3	30	4	53	2	77	3	93	3	114	3
		31	3	54	4	78	1	94	4	115	4
		32	4	55	2			95	4	116	4
		33	3	56	1			96	1	117	3
		34	3	57	4			97	2	118	4
		35	2	58	3			98	3	119	2
		36	1	59	1			99	1	120	1
		37	4	60	1						
		38	2	61	1						
				62	3						

Detailed Solutions:

1. Option 1 says "imports in general" rather than US imports. (Para 1)
Option 3 says "imports" rather than "moving equipment to Western Europe". (Para 6)
Option 4 should have cranes instead of trucks. (Para 7)
Option 2 is correct as given in Para 5.
Hence, the correct answer is **option 2**.
2. Option 1 should say two-stage instead of three-stage. (Para 4).
The other options are correct based on the passage: option 2 (Para 6), option 3 (Para 1), option 4 (Para 7)
Hence, the correct answer is **option 1**.
3. The technology did not get adopted immediately, making option 1 incorrect. (Para 6)
Option 2 is the opposite of what is mentioned in Para 5 and the same paragraph support option 3.
Hence, the correct answer is **option 3**.
4. Mclean's company Pan Atlantic was based in New Jersey. (d-i) (Para 6 and 7)
With this, the others options can be eliminated.
Also, FMB (Federal Maritime Board) was responsible for standardization. (Para 7)
And, Grace Line used 17-foot containers that were easier to truck around mountain roads. (Para 7)
Hence, the correct answer is **option 4**.
5. Option 3 is incorrect from the first few lines of Para 2. (Rs. 50,000 per year).
Options 1, 2 and 4 can be inferred from Paras 6, 2 and 3 respectively.
Hence, the correct answer is **option 3**.
6. Option 1 is the opposite of what is stated in Para 3.
Option 3 and 4 are different from what is stated in Para 6.
Option 2 is stated in Para 3.
Hence, the correct answer is **option 2**.
7. Options 1, 2 and 3 are different from what is stated in Para 5, 2 and 5 respectively.
Option 4 is correct from Para 5.
Hence, the correct answer is **option 4**.
8. Options 1 and 3 find support from Para 5. Option 4 finds support from Para 6. Option 2 should have many instead of few (Para 6).
Hence, the correct answer is **option 2**.
9. Option 1, 2 and 3 are mentioned in Paras 9, 3 and 7 respectively. Option 4 is the opposite of what is mentioned in Para 9.
Hence, the correct answer is **option 4**.
10. This match the column is based on the last para.
Hence, the correct answer is **option 2**.
11. The answer is found in Para 5: paying someone to not fight a case for the other side.
Hence, the correct answer is **option 2**.
12. Option 2 is the correct meaning of pro bono.
Hence, the correct answer is **option 2**.
13. Option 1 contradicts paragraph 7.
Option 2 misconstrues what has been mentioned in paragraph 6.
Option 3 has been mentioned in the first paragraph, " ... the Indian banking system has not consolidated in the manner envisioned by the Narasimham Committee."
Option 4 is incorrect, since it states that the Reserve bank of India envisages a role of facilitator 'for itself'. In the second paragraph, the author mentions 'our view' on bank consolidation and merely states that "the Reserve Bank's role in the reorganization of the banking system will normally be only that of a facilitator." There is nothing to indicate that this role has been envisaged by the RBI for itself.
Hence, the correct answer is **option 3**.
14. Option 1 with 'should not go for global inorganic expansion' is incorrect. Paragraph 3 explains the negative side to consolidation – that it may fail if there is no compatibility in the business cultures, among other reasons. However, it does not suggest that Indian banks should not go for global inorganic expansion. There is nothing in the passage to support option 2.
Option 3 with 'cannot be global' is too harsh, since the passage merely states that "it is unlikely that any of our banks will jump into the top ten of the global league even after reasonable consolidation."
Option 4 can be inferred from the last line of the penultimate paragraph.
Hence, the correct answer is **option 4**.
15. Paragraph 3 states that one of the positive aspects to bank consolidation through mergers is a "higher exposure threshold". Thus option 1 is true.
Paragraph 6 urges banks to "look inwards" and "focus on financial deepening at home". This means that there is indeed scope to do so. Thus option 2 is also true.
Option 3 is untrue, since paragraph 5 lists banks which fall under the current global league tables.

Option 4 can be inferred from paragraph 7, which mentions the risks in relation to the pause in overseas expansion with the onset of the global crisis.

Hence, the correct answer is **option 3**.

16. When a verb follows “Neither...nor” it takes the number of the noun/pronoun following “nor”. In this case, the noun following “nor” is ‘assistant’ which is singular in form. Hence, the verb in part C should be “was” and not “were”.

Hence, the correct answer is **option 3**.

17. In part A of question 17, ‘being’ is inadequate to begin with. It requires a subject. The phrase “It being” is required in this sentence, where ‘it’ stands for the ‘short holiday’.

You may paraphrase: ‘As it was a short holiday...’

Other parts of the sentence are correct.

Hence, the correct answer is **option 1**.

18. Look at the options carefully. Option 1 with “It” makes no sense as the paragraph continues with “..was a map”. What is required in the blank space is something concrete and descriptive.

Option 3 with “a first map” renders it inadequate as an option.

Between options 2 and 4, option 2 has the right construction to fit into the blank.

In option 4, “That the first map” makes the sentence a subordinate clause, if this is to be used, the sentence would be without a main clause, thus making it incorrect.

Hence, the correct answer is **option 2**

19. The word to precede ‘than’ should be people as the latter part of the sentence, “than attended the last one”, talks about ‘those people who attended the concert’

This rules out option 1 and option 3.

Between options 2 and 4, option 4 is the better option.

One refers to people in ‘number’ and not in ‘amount’.

Hence, the correct answer is **option 4**.

20. In sentence 1 the word to be used is “censure” meaning ‘an official reprimand’. “Censur” Is not a meaningful word.

In sentence 2, “censor” meaning ‘an official or official body who examines materials (as publications or films) for objectionable matter’.

Hence, the correct answer is **option 2**.

21. “Compliment” is an expression of esteem, respect, affection, or admiration; especially: an admiring remark.

Complement, on the other hand, is something that fills

up, completes, or makes perfect.

The words are interchanged in the sentences.

Hence, the correct answer is **option 4**.

22. The meanings of the words are as follows:

Inexorable - not to be persuaded, moved, or stopped

Infallible - incapable of error

Impregnable - unconquerable

Inexplicable - incapable of being explained, interpreted, or accounted for

Hence, the correct answer is **option 1**.

23. The meanings of the words are as follows:

Horticulture - the science and art of growing fruits, vegetables, flowers, or ornamental plants

Bonsai - a potted plant (as a tree) dwarfed (as by pruning) and trained to an artistic shape

Pruning - to cut off or cut back parts of for better shape or more fruitful growth

Topiary - of, relating to, or being the practice or art of training, cutting, and trimming trees or shrubs into odd or ornamental shapes

Hence, the correct answer is **option 4**.

24. The meanings of the words are as follows:

Predilection - Partiality

Evanescence - Vanish

Zephyr - A gentle, mild breeze

Diaphanous - Completely transparent and translucent

Fatuous - Inane

Hence, the correct answer is **option 3**.

25. The meanings of the words are as follows:

Perspicacity - keenness of mental perception

Uxorious - Doting upon wife

Nebbish - Insignificant, ineffective person

Chicanery - to trick, to deceive

Inchoate - Undeveloped, immature

Hence, the correct answer is **option 2**.

26. Risible means ‘capable of laughing or disposed to laugh’.

Its antonym is “serious”.

Hence, the correct answer is **option 1**.

27. Tenebrous means to ‘shut off from the light; hard to understand’.

Its antonym is “bright”.

Hence, the correct answer is **option 3**.

28. In this paragraph completion question, the main sentences talk about the positives of discipline. Hence the intermediate sentence needs to continue (and not deviate from) talking about the importance/ virtues of discipline.

Both statements 'a' and 'b' mention the drawbacks of discipline and hence cannot be the intermediate sentences.

Only statement 'c' satisfies that condition.

Hence, the correct answer is **option 4**.

29. In this paragraph completion question, the first sentence mentions forests being gifts from nature and the last sentence mentions man ruthlessly destroying forests. An interesting aspect here is that the concluding statement starts with the word 'yet'. This means that the intermediate sentence needs to continue stating the positives of forest before the tone of the sentence changes. Both statements 'b' and 'c' satisfy this condition.

Although very tempting, statement 'a' begins with the vast Sahara desert of today. If we consider this statement in the answer – it nullifies the presence of 'yet' in the last statement.

Hence, the correct answer is **option 3**.

30. The only sequence which makes sense with the first and the last parts is 'sqrp'.

Hence, the correct answer is **option 4**.

31. An Oxymoron is a rhetorical figure of speech where incongruous, contradictory terms are combined. All the options except 'the sound of music' have a contradictory hue to them.

Hence, the correct answer is **option 3**.

32. The correct spelling is Septuagenarian which means a person in his Seventies.

Hence, the correct answer is **option 4**.

33. Only sequence 4,6,3,1,7,5,2 makes a logical sequence.

Hence, the correct answer is **option 3**.

34. Only 'Overhead' makes a meaningful word.

Hence, the correct answer is **option 3**.

35. Only sequence 6, 3, 2, 1, 8, 7, 4, 9, 10, 5 makes a meaningful word.

Hence, the correct answer is **option 2**.

36. The direct to indirect ones are a little tricky and expect the test taker to have a firm grip on the fundamentals. In this question- both 'if' and 'whether' would fit in. Considering that the question is about asking her whether she is coming or not (and not about uncertainty – if she is coming at all), 'whether' is a better fit.

Hence, the correct answer is **option 1**.

37. The word 'command' is not usually associated with teachers- it is more to do with military operations or while reprimanding someone. The word 'instruct' fits in better with teachers rather than 'command' – hence 'urge' is a better fit.

Hence, the correct answer is **option 4**.

38. 'Circa' matches 'approximately' and 'ad nauseum' to 'something which is repeated and hence is boring'. 'Ex libris' is 'from the books' and in situ matches 'in its original place'.

Hence, the correct answer is **option 2**.

39. Jagdeep defeated Mandeep in a 1000m race by 60m or 12s.

This means that Mandeep would travel 60m in 12s.

$$\therefore \text{Mandeep's speed} = 5 \text{ m/s}$$

$$\therefore \text{Mandeep covered } 1000\text{m in } 1000/5 = 200\text{s}$$

$$\therefore \text{Jagdeep covered } 1000\text{m in } 200 - 12 = 188\text{s}$$

$$\therefore \text{Jagdeep covered } 250\text{m in } 47\text{s.}$$

Hence, **option 2**.

40. Sujoy receives 10% of the profit for his efforts.

Remaining 90% of the profit is distributed among the friends in the line with their contribution.

Now, Sujoy invested Rs. 35,000 for 12 months, Mritunjoy invested Rs. 1,30,000 for 6 months, and Paranjay invested Rs. 75,000 for 8 months.

\therefore Sujoy's, Mritunjoy's and Paranjay's investments are in the ratio

$$35000 \times 12 : 130000 \times 6 : 75000 \times 8 \equiv 7 : 13 : 10$$

$$\therefore \text{Paranjay's share} = \frac{0.9 \times 450000}{7 + 13 + 10} \times 10 = \text{Rs. } 135000$$

Hence, **option 2**.

41. A man is able to perform the work equal to the same done by 2 boys.

$$\therefore 18 \text{ boys} \equiv 9 \text{ men}$$

Work done by 12 men and 18 boys, working 7.5 hours a day, in 60 days = $(12 + 9) \times 7.5 \times 60$

$$= 21 \times 7.5 \times 60 \text{ man hours}$$

As the facility in Harigarh is twice that in Bilaspur, man hours required to build health facility in Harigarh = $2 \times 21 \times 7.5 \times 60$

$$= 2 \times 21 \times 7.5 \times 60$$

Let a boys be required to complete the work in 50 days, working 9 hours a day.

\therefore we have,

$$(21 + a/2) \times 9 \times 50 = 2 \times 21 \times 7.5 \times 60$$

$$\therefore a = 42$$

Hence, **option 4**.

$$42. \frac{\sqrt{\frac{225}{729}} - \sqrt{\frac{25}{144}}}{\sqrt{\frac{16}{81}}} = \left(\frac{15}{27} - \frac{5}{12}\right) \times \frac{9}{4} = \frac{5}{16}$$

Hence, **option 1.**

$$43. \frac{x}{y} = \frac{7}{4}$$

$$\therefore \frac{x^2}{y^2} = \frac{49}{16}$$

$$\therefore \frac{x^2 - y^2}{x^2 + y^2} = \frac{33}{65}$$

Hence, **option 3.**

44. Let Romit score l and v marks in Logical Analysis and Verbal English respectively.

$$\therefore l + v + 70 = 210$$

$$\therefore l + v = 140 \quad \dots (i)$$

$$\text{Now, } \frac{l}{3} = \frac{v}{2} + 5 \quad \dots (ii)$$

Solving i and ii, we get,

$$l = 90, \text{ and } v = 50$$

Hence, required difference = $70 - 50 = 20$

Hence, **option 3.**

45. Let Animesh invest Rs. a in PPF and Rs. b in NSC.

$$\therefore \frac{a}{3} = \frac{b}{2}$$

$$\text{Also, } a + b = 150000$$

$$\therefore 5b/2 = 150000$$

$$\therefore b = 60000$$

Let Aniket invest Rs. x in PPF.

\therefore He invests Rs. $(x + 40000)$ in shares and Rs. $(x + 20000)$ in NSC.

$$\text{Also, } x + x + 40000 + x + 20000 = 150000$$

$$\therefore x = 30000$$

$$\therefore \text{Aniket's investment in NSC} = \text{Rs. } 50000$$

$$\text{Animesh's investment in NSC} = \text{Rs. } 60000$$

$$\therefore \text{Difference} = \text{Rs. } 10000$$

Hence, **option 4.**

46. Average price of 15 books = $4500/15 = \text{Rs. } 300$

Let the average price of 13 books purchased from MN distributors be a .

$$\therefore 300/6 = a/5$$

$$\therefore a = 250$$

$$\therefore \text{Price of books purchased from MN distributors} = 250 \times 13 = 3250$$

$$\therefore \text{Price of books purchased from UV Publishers} = 4500$$

$$- 3250 = \text{Rs. } 1250$$

Let the two books purchased from UV publishers cost Rs. x and Rs. y .

$$\therefore x/3 = y/2$$

$$\text{As } x + y = 1250$$

$$\therefore x = 750 \text{ and } y = 500$$

Hence, **option 3.**

- 47.

	Amita	Sumita	Paramita
Current age	a	s	p
Age, two years ago	$a - 2$	$s - 2$	$p - 2$

By conditions,

$$\frac{a - 2}{5} = \frac{s - 2}{4}$$

$$\therefore 4a = 5s - 2 \quad \dots (i)$$

$$\text{Also, } \frac{a + s - 4}{2} = 27$$

$$\therefore a + s = 58 \quad \dots (ii)$$

Solving (i) and (ii),

$$a = 32 \text{ and } s = 26$$

$$\text{Also, } \frac{a - 2 + s - 2 + p - 2}{3} = 24$$

$$\therefore p = 20$$

\therefore Average age of Sumita and Paramita 3 years from now = $(s + p + 6)/2 = 26$ years.

Hence, **option 2.**

48. Let the price of the gift be x .

Hence, total value to be paid to domestic help for one year = $90 + x$

$$\therefore \text{Value of domestic help for 9 months} = 3/4 \times (90 + x)$$

$$\therefore 65 + x = 3/4 \times (90 + x)$$

$$\therefore x = 10$$

Hence, **option 1.**

49. $7429 = 17 \times 19 \times 23$

17, 19 and 23 are consecutive primes.

$$\text{Also, } 12673 = 19 \times 23 \times 29$$

Hence, first number = 17

Hence, **option 2.**

50. Cylinder is formed by rolling the paper along its length.

Hence, circumference of cylinder = 22

$$\therefore 2\pi r = 22$$

$$\therefore r = 7/2$$

$$\therefore \text{Volume of cylinder} = \pi r^2 h = \frac{22}{7} \times \left(\frac{7}{2}\right)^2 \times 10$$

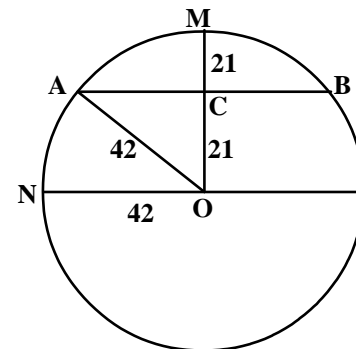
$$= 385\text{cm}^3$$

Hence, **option 4.**

51. $\log_{10} 3 + \log_{10} (4x + 1) = \log_{10} (x + 1) + 1$
 $\therefore \log_{10} 3 + \log_{10} (4x + 1) - \log_{10} (x + 1) = 1$
 $\therefore \log_{10} [3(4x + 1)/(x + 1)] = 1$
 $\therefore (12x + 3)/(x + 1) = 10$
 $\therefore x = 7/2$
Hence, **option 2**.
52.
i. Volume of parallelepiped = $5 \times 4 \times 3 = 60 \text{ cm}^3$
ii. Volume of cube = $4 \times 4 \times 4 = 64 \text{ cm}^3$
iii. Volume of cylinder = $\pi r^2 h = 27\pi > 81 \text{ cm}^3$
iv. Volume of sphere = $4/3 \times \pi r^3 = 36\pi \text{ cm}^3 > 81 \text{ cm}^3$
 \therefore Required order is iv, iii, ii, i.
Hence, **option 1**.
53. $|x - 1| + |x - 2| + |x - 3| \geq 6$
Now, consider the following cases,
Case I: ($x < 1$)
In this case, $x - 1$, $x - 2$ and $x - 3$ all are negative.
 $\therefore |x - 1| + |x - 2| + |x - 3| = 1 - x + 2 - x + 3 - x$
 $= 6 - 3x \geq 6$
 $\therefore x \leq 0$, which is possible.
Case II: ($1 \leq x \leq 2$)
In this case, only $x - 2$, and $x - 3$ are negative.
Hence, $|x - 1| + |x - 2| + |x - 3| = x - 1 + 2 - x + 3 - x$
 $= 4 - x \geq 6$
 $\therefore x \leq -2$
This is not possible.
Hence there is no solution in this range.
Case III: ($2 \leq x \leq 3$)
In this case, only $x - 3$ is negative.
Hence, $|x - 1| + |x - 2| + |x - 3| = x - 1 + x - 2 + 3 - x$
 $= x \geq 6$
This also is not possible.
Case IV: ($x \geq 3$)
In this case, all are positive.
Hence, $|x - 1| + |x - 2| + |x - 3| = 3x - 6 \geq 6$
 $\therefore x \geq 4$
This is possible.
Hence, the required range is $x \leq 0$ and $x \geq 4$
Hence, **option 2**.
54. The five digit number will either have 0 or it will not have 0.
Case i: 0 is included.
The five digits must be 0, 1, 2, 4, 5 (as the number has to be divisible by 3)
The count of five-digit numbers = $4 \times 4 \times 3 \times 2 \times 1 = 96$
Case ii: 0 is excluded.

In this case, the five digits should be 1, 2, 3, 4 and 5.
Number of five digit numbers = $5 \times 4 \times 3 \times 2 \times 1 = 120$
 \therefore Required count = $120 + 96 = 216$
Hence, **option 4**.

55. 65 is the eighth term of the AP.
 $\therefore 2 + (8 - 1)r = 65$, where r is the common difference.
 $\therefore r = 9$
 e is the sixth term.
 $\therefore e = 2 + 5(9) = 47$
Hence, **option 2**.
56. Work done by 104 men, working 8 hours a day, in 30 days = $104 \times 8 \times 30$ man hours.
This is $2/5^{\text{th}}$ of the total work.
 \therefore Remaining work, which is $3/5^{\text{th}}$ of the total work
 $= 104 \times 8 \times 30 \times \frac{5}{2} \times \frac{3}{5} = 104 \times 4 \times 90$ man hours.
Let a more men be employed to complete this work.
 $\therefore (104 + a) \times 9 \times (56 - 30) = 104 \times 4 \times 90$
 $\therefore a = 56$
Hence, **option 1**.
57. 5 balls can be drawn in ${}^{14}C_5$ ways.
Out of these 5 balls, 3 will be red in ${}^8C_3 \times {}^6C_2$ ways
 \therefore Required probability = $\frac{{}^8C_3 \times {}^6C_2}{{}^{14}C_5} = \frac{60}{143}$
Hence, **option 4**.
58. The given scenario can be depicted in the diagram below.



As, $OC \perp AB$ and $OC = AO/2$,
 ΔAOC is a 30-60-90 triangle.
 \therefore Angle subtended by the arc AB = $2 \times 60 = 120^\circ$
 \therefore Angle subtended by half the arc is 60°
 \therefore Triangle formed by the chord of 'half the arc' and two radii is equilateral.
Hence, length of chord AM = 42 cm
Hence, **option 3**.

59. Mr Gupta was 30 years old when Kajol was born.
Kajol is 5 years older than Pratik.
∴ Mr. Gupta was 35 years old when Pratik was born.
Now, Mrs. Gupta was 28 years old when Writtik was born.
As Pratik is 2 years older than Writtik, Mrs, Gupta was 28 - 2 = 26 years old when Pratik was born.
Hence, **option 1.**
60. Without loss of generality, we can assume that Mr. Sinha received Rs. 100 from the lottery.
After purchasing a vehicle he was left with Rs. 60.
After giving 20% of the remaining to each of the sons, he was left with $0.6 \times 60 = \text{Rs. } 36$
After spending half of the remaining amount on renovation, he is left with Rs. 18.
After spending on the LCD, he is left with Rs. $(3 \times 18/4) = 54/4$
Now, this corresponds to Rs. 135000
∴ The original amount = $135000 \times 100/(54/4)$
= Rs. 10,00,000
Hence, **option 1.**
61. Let there be 90 journalists in all.
∴ There are 50 males and 40 female journalists.
Now, 30% of males and 40% of females cover politics.
∴ 15 males and 16 females cover politics.
∴ $(90 - 15 - 16) = 59$ cover sports news.
∴ Required percentage = $59 \times \frac{100}{90} \approx 65\%$
Hence, **option 1.**
62. Ratio of metal 1 and metal 2 in alloy A = 3 : 4
In 14 kg, there will be $3/7 \times 14 = 6$ kg of metal 1 and $4/7 \times 14 = 8$ kg of metal 2.
Similarly, alloy B contains 10 kg and 16 kg of metal 1 and metal 2 respectively.
∴ Metal 1 content in final mixture = $6 + 10 = 16$ kg
Metal 2 content in final mixture = $8 + 16 = 24$ kg
∴ Required ratio = $16 : 24 \equiv 2 : 3$
Hence, **option 3.**
63. $\text{CAGR} = \frac{[(\text{Final} - \text{Initial})^{(1/\text{No. of periods})} - 1] \times 100}{\text{Initial}}$
So, $\text{CAGR} = \frac{(3701/3075)^{1/4} - 1}{3075} \times 100 = 4.74\%$
Hence, **option 4.**
64. Outward investment to Singapore in Feb = 1221
Outward investment to Singapore in March = 741
Outward investment to Singapore in April = 378
So, negative growth in March = $(741 - 1221)/741 \times 100 = -39.31\%$
Negative growth in April = $(378 - 741)/378 \times 100 = 48.98$ i.e. 49%
Hence, **option 3.**
65. Required share = $(116 + 117)/3221 \times 100 = 7.23 \approx 7.24\%$
Hence, **option 1.**
66. Required percentage for:
Option 1: $(378 + 157)/1390 \times 100 = 38.48\%$
Option 2: $(1211 + 227)/3221 \times 100 = 44.64\%$
Option 3: $(741 + 70)/2358 \times 100 = 34.39\%$
Option 2 is the closest.
Hence, **option 2.**
67. Required decline for:
Option 1: $(1211 - 378)/1211 \times 100 = 68.78\%$
Option 2: $(117 - 40)/117 \times 100 = 65.81\%$
Option 3: $(227 - 157)/227 \times 100 = 30.83\%$
Option 4: $(1551 - 686)/1551 \times 100 = 55.77\%$
Hence, Singapore has highest decline.
Hence, **option 1.**
68. The GDP from Primary and Secondary sectors and the overall GDP is given.
From the given data, we can find out the GDP from the tertiary sector.
GDP from tertiary sector in 2004-05 is $[2971464 - (650454 + 744755)] = 1576255$
GDP from tertiary sector in 2009-10 is $[6133230 - (1243566 + 1499601)] = 3390063$
By observing the options, we can see that the percentage values for 2004-05 is extremely close for two options and hence we will calculate the percentage value for the year 2009-10 to begin with.
Share of tertiary sector at factor cost in GDP for 2009-10 is
 $\frac{3390063}{6133230} \times 100 = 55.27\%$
Only option A has 55.27 percent in it and so it is the correct option.
Hence, **option 1.**
69. GNP series at factor cost for all the years provided in the options is as follows:
- | Year | GNP series(at factor cost) |
|-----------|----------------------------|
| 2005 - 06 | 3363505 |
| 2006 - 07 | 3919007 |
| 2007 - 08 | 4560910 |
| 2008 - 09 | 5249163 |
| 2009 - 10 | 6095230 |
- Annual growth rate for the year 2005-06 to 2006-07 is
 $\frac{3919007 - 3363505}{3363505} \times 100 = 16.51\%$

Annual growth rate for the year 2006-07 to 2007-08 is

$$\frac{4560910 - 3919007}{3919007} \times 100 = 16.37\%$$

Annual growth rate for the year 2007-08 to 2008-09 is

$$\frac{5249163 - 4560910}{4560910} \times 100 = 15.09\%$$

Annual growth rate for the year 2008-09 to 2009-10 is

$$\frac{6095230 - 5249163}{5249163} \times 100 = 16.11\%$$

We can see that the annual growth rate in the GNP series at factor cost was highest between 2005 - 06.

Hence, **option 4**.

70. The gross domestic savings for the year 2008-09 is 1798347

If it had increased by 30%, then the gross domestic savings for the year 2009-10 would have become

$$1798347 \times 1.3 = 2337851.1$$

This when expressed as a percentage of GDP (for the year 2009-10) at market prices would have been:

$$\frac{2337851.1}{6550271} \times 100 = 35.69\%$$

Hence, **option 3**.

71. GDP from secondary sector in 2006-07 = 1033410
GDP from secondary sector in 2007-08 = 1205464
Percentage change from secondary sector between 2006

$$\begin{aligned} -07 \text{ and } 2007 - 08 &= \frac{1205464 - 1033410}{1033410} \times 100 \\ &= 16.64\% \end{aligned}$$

GDP at market price in 2008-09 = 5582623

GDP at market price in 2009-10 = 6550271

Percentage change in GDP at market price between 2008

$$\begin{aligned} -09 \text{ and } 2009 - 10 &= \frac{6550271 - 5582623}{5582623} \times 100 \\ &= 17.33\% \end{aligned}$$

Gross Domestic savings in 2004-05 = 1050703

Gross Domestic Savings in 2005-06 = 1235288

Percentage change in Gross Domestic Savings between 2004

$$\begin{aligned} -05 \text{ and } 2005 - 06 &= \frac{1235288 - 1050703}{1050703} \times 100 \\ &= 17.56\% \end{aligned}$$

Gross Domestic Capital Formation in 2008-09 = 1973535

Gross Domestic Capital Formation in 2009-10 = 2344179

Percentage change in Gross Domestic Capital Formation between 2008 - 09 and 2009 - 10

$$= \frac{2344179 - 1973535}{1973535} \times 100 = 18.78\%$$

We can see that the percentage change in Gross Domestic Capital Formation between 2008-09 and 2009-10 is the highest among the given options.

Hence, **option 4**.

72. The ratio of GDP (at factor cost) and GNP in 2006-07 is 2971464/2949089.

Note that the difference between the numerator and the denominator in the above given ratio is around 30 thousand and the denominator is close to 30 lakhs and hence this value will be around 1.01

If we observe the rest of the data for GDP at factor cost and GNP for the rest of the years, we can see that for the year 2005-06 is the ratio of GDP (at factor cost) to that of GNP is 3389621/3363505.

Note that the difference between the numerator and the denominator in the above given ratio is around 25 thousand and the denominator is close to 33.5 lakhs.

Thus the ratio will be around 1.007 which is less than 1.01

Thus option 1 is incorrect.

The ratio of GDP (at factor cost) to that of GDP (at market price) for 2006-07 is 3952241/4293672

This ratio turns out to be 0.9204

If we observe the rest of the data for the GDP (at factor cost) and that of GDP (at market price), we can see that for the year 2007-08, the ratio is 4581422/4986426

This ratio turns out to be 0.9187

We can see that the ratio and hence the percentage of GDP (at factor cost) with respect to GDP (at market price) has decreased from 2006-07 to 2007-08.

Thus option 2 is also incorrect.

The ratio of Gross Domestic Capital Formation expressed as a percentage of GDP (at Market Prices) for the years 2004-05 to 2007-08 are as follows:

Year	Gross Domestic Capital Formation	GDP (at market price)	Ratio
2004 - 05	1052232	3242209	0.324542
2005 - 06	1266245	3692485	0.342925
2006 - 07	1486044	4293679	0.346101
2007 - 08	1837498	4986426	0.3685

We can see that the ratio and hence the percentage keeps on increasing in the given interval of time and hence option 3 is correct.

The ratio of contribution of GDP from primary sector to that of the GDP at factor cost for the interval 2004-05 to 2009-10 is as follows:

Year	GDP from primary sector	GDP (at factor cost)	Ratio
2004 - 05	650454	2971464	0.2189
2005 - 06	732234	3389621	0.216022
2006 - 07	829771	3952241	0.209949
2007 - 08	961330	4581422	0.209832
2008 - 09	1067592	5282086	0.202116
2009 - 10	1243566	6133230	0.202759

We can see that the ratio and hence the percentage has increased from 2008-09 to 2009-10.

Thus option 4 is incorrect.

Hence, **option 3**.

73. Since the question asks for the "highest number", it can be inferred that the required increase is asked in terms of the increase in percentage points rather than the percentage increase.

Therefore, each required value is:

Malaysia: Global Chemical Products export = $0.7 - 0.4 = 0.3$

India: Global Office and Telecom Equipment export = $0.3 - 0.1 = 0.2$

Mexico: Global Chemical Products export = $0.3 - 0.2 = 0.1$

Thailand: Global Integrated Circuits and Electronic Components export = $2.1 - 1.9 = 0.2$

Thus, the highest number value is for Malaysia.

Hence, **option 1**.

74. Here, options 2 and 3 should be calculated only at the end and that too only if, options 1 and 4 are both incorrect.

Consider option 1: The share of EU in global import has decreased for two groups: Integrated Circuits and Electronic Components as well as Office and Telecom Equipment. Therefore, option 1 is incorrect.

Consider option 4: The increase in global import share for India in each group is:

Clothing: $0.9 - 0.4 = 0.5$

Chemical: $1.8 - 0.8 = 1.0$

Automotive: $0.4 - 0.1 = 0.3$

Office and telecom: $1.2 - 0.3 = 0.9$

Integrated circuits and Electronic composers: $0.5 - 0.2 = 0.3$

Thus, the highest increase among all groups is for

Chemical Products. Therefore, option 4 is correct.

Hence, **option 4**.

Note: On calculating, you can verify that options 2 and 3 are incorrect. However, in the actual exam, there is no need to calculate these values.

75. India's global export share for Clothing Products increased from 3% to 3.6% i.e. an increase of 20%. Therefore, option 1 is true.

Japan's global export share for Chemical Products decreased from 6% to 4.2% i.e. a decrease of 30%.

Therefore, option 2 is also true.

South Korea's global export share for Integrated Circuits and Electronic Components decreased from 8% to 7.6% i.e. a decrease of 5%. Therefore, option 3 is false.

Malaysia's global import share for Clothing Products increased from 0.3% to 0.6% i.e. an increase of 100%.

Therefore, option 4 is true.

Hence, **option 3**.

76. India's export market share in Integrated Circuits and Electronic Components was 0.1%.

Therefore, if it had increased by 600%, it would become $0.1 \times 7 = 0.7\%$ in 2009.

In such a case, it would only be above Canada and Mexico.

Thus, it would be 8th.

Hence, **option 2**.

77. China's growth in Integrated Circuits and Electronic Components Imports = $\frac{[(32.8 - 6.3)]}{6.3} \times 100 = 420.63\%$

China's growth in Office and Telecom Equipment Exports = $\frac{[(26.2 - 4.5)]}{4.5} \times 100 = 482.22\%$

China's growth in Integrated Circuits and Electronic Components Exports = $\frac{[(11.4 - 1.7)]}{1.7} \times 100 = 570.59\%$

China's growth in Automotive Products Imports = $\frac{[(3.6 - 0.7)]}{0.7} \times 100 = 414.29\%$

Hence, **option 3**.

78. USA, Canada and Mexico come under North America. All the remaining countries, apart from EU, come under Asia.

It can simply be observed that EU has the highest market share in Chemical Products as well as Automotive products.

Hence, option 2 can be eliminated.

For Automotive products, the total for North America is 16.9 while for Asia is 21. So, Asia should be second and North America should be third.

Hence, options 3 and 4 can be eliminated.

Hence, **option 1**.

79. Mahalaxmi Weaving Centre has property worth Rs. 1 crore and is ready to submit Rs. 1 lakh. It also has managed to get three guarantors with personal IDs. Finally, it has no legal case against it and as obtained the environmental clearance issued by the State Pollution Control Board. Therefore, it satisfies conditions II, III, IV, V and VI.

Though nothing is mentioned about condition I, it is given that it is a traditional handloom production unit. Because there is no option marked "Data Insufficient", sub-condition (a) becomes valid and the case may be referred to the Development Commissioner, Handloom.

Hence, **option 3**.

80. Ramayan Enterprise satisfies all the given conditions as explicitly mentioned in the question. Condition II gets satisfied because it is given that the firm is located in Surat, where no firm having a legal dispute is permitted to operate. Therefore, it can be inferred that Ramayan Enterprise does not have legal dispute against it. Since it satisfies all 6 conditions, the license can be issued to it.

Hence, **option 1**.

81. Hirabhai Handlooms possesses assets of Rs. 55 lakhs and is ready to pay the security deposit. It has the environmental clearance and can get three guarantors with personal IDs. Therefore, it satisfies conditions III, IV, V and VI. There is no data for conditions I and II. As far as condition I is concerned, sub-condition (a) gets satisfied because it is given that it is a traditional handloom firm. However, condition II has no sub-condition associated with it and there is no data given. Finally, there is no option marked "Data Insufficient". In such a case, the only option action that can be taken is that the license cannot be issued.

Hence, **option 2**.

82. Some boys are scholars:

There are two possible deductions from this statement.

- i) All scholars are boys (i.e. the set of scholars is a subset of boys)
- ii) Some scholars are boys (i.e. the intersection of the sets of scholars and boys is not a null set)

Some teachers are boys

There are two possible deductions from this statement.

- i) All boys are teachers (i.e. the set of boys is a subset of teachers)
- ii) Some boys are teachers (i.e. the intersection of the sets of teachers and boys is not a null set)

All scholars are observers.

There are two possible deductions from this statement.

- i) All observers are scholars (i.e. the set of observers and scholars are identical)
- ii) Some observers are scholars (i.e. the set of observers is a subset of scholars)

Let us analyze the conclusions:

- 1) Some scholars are boys.

This is true for both the cases that have been mentioned above,

- 2) Some scholars are not boys

This may or may not be true because there are chances that all scholars may also be boys.

- 3) Some observers are boys.

We know that either all or some observers are scholars (i.e. the set of observers is definitely a subset of the set of scholars) and the intersection of the sets of scholars and boys is not a null set.

This means that some observers will always be boys.

Hence conclusion 3 is true.

- 4) Some teachers are scholars.

The intersection of set of boys and scholars is not a null set and the intersection of set of boys and teachers is not a null set.

But this doesn't mean that the intersection of boys and teachers will also be a null set.

There may or may not be some teachers who are scholars.

Thus this statement is incorrect.

Hence, **option 1**.

83. All teachers are professors.

This means that either the set of teachers is identical to the set of professors or the set of teachers is a subset of the set of professors.

All professors are researchers.

This means that either the set of researchers is identical to the set of professors or the set of professors is a subset of the set of researchers.

All researchers are consultants.

This means that either the set of researchers is identical to the set of consultants or the set of researchers is a subset of the set of consultants.

Let us analyze the conclusions now

- 1) Some consultants are teachers

This is true as the set of teachers will atleast be a subset of professors which atleast will be a subset of researchers which will atleast be a subset of consultants.

- 2) All professors are consultants.
Set of professors will always be atleast a subset of researchers which will always be atleast a subset of consultants.
Hence this statement is also true.
- 3) Some researchers are teachers.
From the analysis of statement 1, we know that this statement is also true.
- 4) All professors are teachers.
This is untrue because the set of professors is not a subset of teachers.

Hence, **option 4**.

84. Consider the four statements

- (i) "lop eop aop fop" means "Traders are above laws"
(ii) "fop cop bop gop" means "Developers were above profitable"
(iii) "aop bop uop qop" means "Developers stopped following traders"
(iv) "cop jop eop uop" means "Following maps were laws"

From (i) and (ii): "fop" \Rightarrow above

From (i) and (iii): "aop" \Rightarrow traders

So, in (i), "are" and "laws" will be represented by "lop" and "eop" in no particular order.

From (i) and (iv), "eop" \Rightarrow laws

So, "lop" \Rightarrow are

From (iii) and (iv), "uop" \Rightarrow following

From (ii) and (iii): "bop" \Rightarrow developers

So, "developers are following laws" would be written as "lop bop eop uop"

Hence, **option 2**.

85. From the previous solution, "eop" \Rightarrow laws

So, the answer should have "laws" in the sentence.

Therefore, option 3 can be eliminated.

Also, looking at the previous solution, "developers", "following" and "traders" have been identified.

So, "qop" \Rightarrow stopped.

In (ii), "cop" and "gop" correspond to "were and "profitable" in some order".

Therefore, "qop gop cop eop" would mean "profitable laws were stopped".

Hence, **option 1**.

86. If we split the alphabets in a group of 3 we get following arrangement:

D_F | _DE | E_D | _EF | _DE | _F

Now, if we put option 3, we get:

DEF | FDE | EFD | DEF | FDE | EF

If we see the pattern it is consistent in the sense that the third alphabet in each subset is the first alphabet in

the next subset and the order is cyclic. (D, E, F or F, D, E or E, F, D).

Hence, **option 3**.

87. Let us put the options in the blanks and consider the patterns one by one.

Option 1: A O P O P Q O P Q R R Q P O Q P O R Q O

Here, having A is not logical. Hence this option is eliminated.

Option 2: Q O P O P Q O P Q O R Q P O R P O R Q O

There is no logical pattern which is logically consistent with this option. Even if we divide in the groups of 3, 4, 5 we do not get any pattern that is logical.

Option 3: Q O P O P Q O P Q R R Q P O Q P O R Q O

There is no pattern which is logically consistent with this option. Even if we divide in the groups of 3, 4, 5 we do not get any pattern that is logical.

Hence, **option 4**.

88. $3M \% 2N$

$N \% 3O$

In normal terms we get $3M = 2N = 3 \times O/2$

So, $O = M/2$

Hence, **option 3**.

89. $N > P, P < O, O > M$ and $N = M$.

So, clearly $O > N$ and O is not equal to M .

Hence, **option 1**.

Note: Option 3 is also correct as O is not equal to M .

90. Option 1 has to follow as parents make decisions about their children's schooling. Once they realize the importance of primary education, they will encourage their children.

Option 2 is a direct solution to the problem of poverty in rural areas. Since parents need their children to work to earn extra income, substituting child labour with a decent compensation will encourage parents to educate their children.

Statement 3 brings 'law' in the picture. Once primary education is made compulsory and child labour is banned, even rigid parents will have to agree to educate their children

Hence, **option 4**.

91. Action 1 would only create unnecessary hype and criticism. Moreover, it does not do anything to solve or prevent the issue.

Statement 2 is a perfect action considering the nature of the drought and the damage it can cause.

Statement 3 is also logical. It is a preventive action for the forthcoming predicament.

Hence, **option 3**.

92. There are 6 persons in the family from 3 generations.
There are two married couples.
Mona is the mother-in-law of Sonalika.
Varun is the Grand Father of Tarun.
Now as there are only 3 generations present, Mona and Varun are married to each other.
Nuri is the grand - daughter of Mona.
This means that Tarun and Nuri are siblings.
This also means that Rakesh and Sonalika are married to each other.
Hence, **option 1.**

93. It is given in the question that Tarun likes Punjabi food and supports Basketball.
Hence, **option 3.**

94. Prof. Das is one of the members.
Two other members are professors and two are students.
The two Professors have to be Prof. Equbal and Prof. Chakravarty.
Let us analyze the options.
Prof. Equbal is not present in option 1 and option 2 and hence it is not possible.
Prof. Ahuja and Sushil always go together so option 3 is also incorrect.
Hence, **option 4.**

95. Prof. Ahuja and Prof. Chakravarty are members.
Note that in the three options, Prof. Equbal is present.
Prof. Equbal has to be selected in every committee.
Thus options 1, 2 and 3 are incorrect.
Hence, **option 4.**

96. EXAMINATION = 56149512965.
If we arrange them in alphabetical order, X = 24 and sum of digits of 24 is 6.
So, every number is substituted by its sum of digits.
So, GOVERNMENT = 7645954552.
Hence, **option 1.**

97. In this question every alphabet is substituted by one less than its numerical equivalent.
i. e. A = 0, B = 1, etc.
So, MONKEY = 12141310424.
Hence, **option 2.**

98. Consider the following arrangement
 — — —
 — — —
 Here, the upper row corresponds to the houses facing south and the lower row corresponds to the houses facing north.
It is given that Prof. Rathor gets a south facing flat next

to Prof. Usman. Therefore, Prof. Usman also gets a south facing flat.
It is also given that Prof. Qureshi and Prof. Tripathy have a north facing flat.
Since it is known that Prof. Usman and Prof. Sawant are diagonally opposite each other, Prof. Sawant has to be in a north facing flat and so, Prof. Purohit has to be in a south facing flat.
Thus, Prof. Usman, Prof. Rathor and Prof. Purohit get south facing flats.
Hence, **option 3.**

99. Consider the solution to the previous question
A possible arrangement of the flats is:
U R P
Q T S
Therefore, even if the flats of Prof. Purohit and Prof. Tripathy are interchanged, Prof. Rathor will always be next to Prof. Usman.
Hence, **option 1.**