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JIPMAT 2026

Previous Year Question Paper · 7 June 2026

100 Questions · Quantitative Aptitude · DI & Logical Reasoning · Verbal Ability & RC

Prepared by Thinkoraa for practice. Answer key and step-by-step solutions are at the end of this booklet.

Quantitative Aptitude

1 $2^{122} + 4^{62} + 8^{42} + 4^{64} + 2^{130}$ is divisible by which one of the following integers?

A 3 **B** 5

C 7 **D** 11

2 Find the maximum value of n such that $61 \times 42 \times 26 \times 81 \times 64 \times 49 \times 47 \times 51 \times 63 \times 16 \times 67$ is perfectly divisible by 56^n.

A 6 **B** 5

C 4 **D** 3

3 Three rings complete 60, 36 and 24 revolutions in a minute. They start from a certain point in their circumference downwards. By what time they come together again in the same position?

A 5 seconds **B** 4 seconds

C 7 seconds **D** 3 seconds

4 Arrange the following in descending order:
A. $\sqrt{401} - \sqrt{399}$
B. $\sqrt{301} - \sqrt{299}$
C. $\sqrt{101} - \sqrt{99}$
D. $\sqrt{201} - \sqrt{199}$
Choose the correct answer from the options given below:

A A, C, B, D **B** A, C, D, B

C B, D, A, C **D** C, D, B, A

5 If $\frac{p}{q} = \frac{3}{7}$ and $\frac{r}{s} = \frac{5}{9}$, the value of $\frac{7pr - qs}{6qs - 21pr}$ is

A $\frac{2}{3}$ **B** $\frac{11}{14}$

C $\frac{3}{7}$ **D** $\frac{27}{4}$

6 The average age of 8 men increases by 4 years when one of them whose age is 30 years is replaced by a new man. What is the age of new man?

A 55 years **B** 62 years

C 42 years **D** 69 years

7 Let a, b, c, d, e, f, g be seven consecutive even numbers and j, k, l, m, n be five consecutive odd numbers. What is the average of all numbers?

A $\frac{3(a+n)}{2}$ **B** $\left(\frac{5l+7d}{12}\right)$

C $\left(\frac{a+b+m+n}{4}\right)$ **D** $\left(\frac{a+n}{12}\right)$

8 Two number are in the ratio of 2:3. If 9 (Nine) is added to each number, they will be in ratio 3:4. What is the product of the two numbers?

A 360 **B** 480

C 486 **D** 512

9 Seeta got married 6 years ago. Today her age is $1\frac{1}{4}$ times her age at the time of her marriage. Her son's age is $\frac{1}{10}$ times her present age. What is the present age of her son?

A 1 years **B** 2 years

C 3 years **D** 4 years

10 Match the LIST-I with LIST-II

LIST-I		LIST-II	
A.	(550% of 250) ÷ 275	I.	129.58
B.	38% of 341	II.	231.6
C.	15% of 578 + 22.5% of 644	III.	156.8
D.	140% of 56 + 56% of 140	IV.	5

Choose the correct answer from the options given below:

A A-II, B-I, C-IV, D-III **B** A-IV, B-I, C-III, D-II

C A-IV, B-I, C-II, D-III **D** A-III, B-I, C-IV, D-II

11 Which of the following multipliers will cause a number to increase by 29.7%?

A 12.97 **B** 129.7

C 1297 **D** 1.297

12 If the difference between 62% and 80% of a number is 198, then the difference between 92% and 56% of the same number will be :-

A 1100 **B** 360

C 3564 **D** 396

13 Successive discounts of $p\%$ and $q\%$ on an invoice is the same as a single discount of

A $\left[p+q-\frac{pq}{100}\right]\%$ **B** $\left[p-q+\frac{pq}{100}\right]\%$

C $100-\left[p+q+\frac{pq}{100}\right]\%$ **D** $\left[p+q+\frac{pq}{100}\right]\%$

14 Given below is the data pertaining to four movies which have collected gross revenues in domestic and international markets in Million USD ($). Arrange them in ascending order based on the ratios of their international versus domestic gross revenues.

	Movie	Domestic	International
A.	Avengers	623.4	888.4
B.	The Darknight	448.1	632.9
C.	Skyfall	304.2	804.1
D.	Ice Age CD	161.3	714.0

Choose the correct answer from the options given below:

A A, B, C, D

B B, A, D, C

C B, A, C, D

D A, B, D, C

15 If P : Q = 5 : 2, then (2P - 3Q) : (3P - 5Q) is equal to:

A 5 : 6

B 2 : 7

C 4 : 5

D 3 : 4

16 The simple interest on a sum of money for 3 years is ₹240 and the compound interest on the same sum, at the same rate for 2 years is ₹170. The rate of interest is:

A $5\frac{5}{17}\%$

B 8%

C $29\frac{1}{6}\%$

D $12\frac{1}{2}\%$

17 'A' started a business with investment of ₹5000. After 2 months, 'B' & 'C' joined with ₹2500 and ₹3500, respectively. If total annual profit was ₹4800, what was B's share in annual profit?

A ₹1200

B ₹1150

C ₹1100

D ₹1000

18 A solid cone and a solid cylinder have equal base and equal height. If the radius and height be in the ratio of 12 : 5, the ratio of the total surface area of cone to that of the cylinder is

A 5 : 7

B 17 : 25

C 25 : 7

D 25 : 34

19 A Merchant had 50 kg of pulse. He sold one part at 10% profit and other remaining part at 5% loss. The overall gain he had was 7%. Then the quantities of pulse, which he sold at 10% profit and 5% loss, respectively, are

A 40 kg, 10 kg

B 45 kg, 5 kg

C 30 kg, 20 kg

D 35 kg, 15 kg

20 A and B can do a piece of work in 40 days and 50 days, respectively. Both begin doing the work together but after certain time A leaves. Then, B finishes the remaining work in 20 days. After how many days did A leave?

A 40 days
B 50 days
C $13\frac{1}{3}$ days
D 13 days

21 A student walks from his house at speed of $2\frac{1}{2}$ km/hour and reaches his school late by 6 min. Next day, he increases his speed by 1 km/hour and reaches 6 min before school time. How far is the school from his house?

A $\frac{5}{4}$ km
B $\frac{7}{4}$ km
C $\frac{9}{4}$ km
D $\frac{11}{4}$ km

22 If $x+y+z=7$, $x^2+y^2+z^2=85$ and $x^3+y^3+z^3=913$, then value of $\sqrt[3]{xyz}$ is

A 1
B 2
C 4
D 8

23 For which value of k, lines $x+2y=9$ and $kx+4y=-5$ are parallel?

A 2
B 5
C 3
D 1

24 The product of two positive integers x and y is 6760 and their HCF is 13. How many such pairs (x, y) can be formed?

A 4
B 3
C 2
D 1

25 If one root of the quadratic equation $ax^2+bx+c=0$ is the reciprocal of other, then which of the following is correct?

A $b=c$
B $ac=1$
C $a=c$
D $a=b$

26 Let p and q be the roots of the quadratic equation $ax^2+bx+c=0,\ a\neq 0$. If a, b and c are in arithmetic progression and $\frac{1}{p}+\frac{1}{q}=4$, then the value of $(p-q)^2$ is

A $\frac{48}{81}$
B $\frac{61}{81}$
C $\frac{68}{81}$
D $\frac{52}{81}$

27 An aluminum sheet 25 cm long, 20 cm broad and 2 cm thick is melted into a cube. The difference in the surface area of the two solids would be

A 130 cm^2
B 435 cm^2
C 290 cm^2
D 580 cm^2

28 The value of $3+\frac{1}{\sqrt{3}}+\frac{1}{3+\sqrt{3}}+\frac{1}{\sqrt{3}-3}$ is

A $3+\sqrt{3}$ **B** 3

C 1 **D** 0

29 A box contains 2 blue caps, 4 red caps, 5 green caps and 1 yellow cap. If three caps are picked at random without replacement, what is the probability that two are red and one is green?

A $\frac{9}{22}$ **B** $\frac{6}{19}$

C $\frac{1}{6}$ **D** $\frac{3}{22}$

30 Sam can hit a target 1 time in 4 shots, Jack can hit the target 2 times in 4 shots and Raj can hit the target 6 times in 6 shots. What is the probability that at least 2 shots hit the target?

A $\frac{2}{3}$ **B** $\frac{1}{2}$

C $\frac{5}{8}$ **D** $\frac{3}{4}$

31 A cube has each edge 2 cm and cuboid is 1 cm long, 2 cm wide and 3 cm high. The paint in a certain container is sufficient to paint area equal to 54 cm^2. Which of the following is correct?

A Only cube can be painted. **B** Only cuboid can be painted.

C Both cube and cuboid can be painted. **D** Neither cube nor cuboid can be painted.

32 The sum of length, breadth and height of a cuboid is 22 cm and the length of its body diagonal is 14 cm. What is the surface area of the cuboid?

A 288 cm^2 **B** 244 cm^2

C 216 cm^2 **D** 144 cm^2

33 The sum of length, breadth and height of a cuboid is 22 cm and length of its body diagonal is 14 cm. If S is the sum of cubes of dimensions of the cuboid and V is the volume, the (S−3V) will be equal to

A 572 cm^3 **B** 728 cm^3

C 984 cm^3 **D** 1144 cm^3

Data Interpretation & Logical Reasoning

34 Arrange the following words alphabetically as in a dictionary:
A. Enthusiasm
B. Ephemeral
C. Enterprise
D. Entrench
E. Exhilarate
Choose the correct answer from the options given below:

A A, C, D, B, E
B B, C, A, E, D
C C, D, A, B, E
D C, A, D, B, E

35 Choose the numeral pair which is odd and different from others.

A 483, 23
B 624, 26
C 1023, 31
D 1368, 38

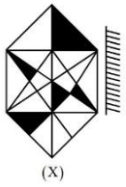
36 In a certain code, 3456 is written as ROPE and 15526 is written as APPLE. How is 54613 written in the same code?

A POAER
B PEOAR
C POEAR
D PAREO

37 Pointing to a man, Sujata said, "His son is my son's maternal uncle." How is the man related to Sujata?

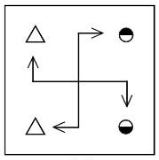
A Brother
B Uncle
C Father
D Grandfather

38 Choose the correct mirror-image of the figure (X) from amongst the four alternatives.

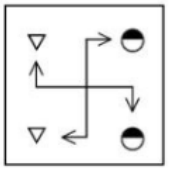

(X)

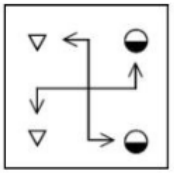
A 
B 
C 
D 

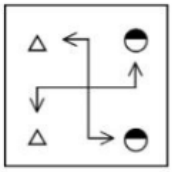
39 Choose the most appropriate water image of the adjoining figure (X).

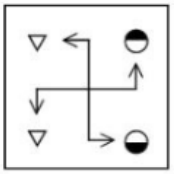


(X)

A 

B 

C 

D 

40 Arrange the following words in a meaningful sequence:

A. Consultation
B. Illness
C. Doctor
D. Treatment
E. Recovery

Choose the correct answer from the options given below:

A B, C, A, D, E

B B, C, D, A, E

C D, C, A, B, E

D E, A, D, C, B

41 If a cube is coloured red on all faces and cut into 64 smaller cubes of equal size, then which of the following are correct?

A. Sixteen small cubes have no face coloured.
B. Twenty four small cubes have only one face coloured.
C. None of the cubes can have its opposite faces coloured red.
D. There are eight cubes which have three faces coloured.

Choose the correct answer from the options given below:

A A, C & D Only

B A, B & C Only

C B & D Only

D B, C, D Only

42 Three different positions of same dice are given below.



The number opposite to the number 2 is:

A 6

B 5

C 3

D 1

43 Six students A, B, C, D, E and F are sitting in a play ground. A and B are from Nehru hostel while the rest belong to Azad. D and F are tall while the others are short. A, C and D are wearing glasses while the others are not. In reference to the above information, which of the following statements are correct?
A. Students B and E are short and not wearing glasses.
B. E belongs to Azad hostel, is short and does not wear glasses.
C. F belongs to Nehru hostel, is short and wearing glasses.
D. C belongs to Azad hostel, is short and not wearing glasses.
Choose the correct answer from the options given below:

A A and B Only
B B, C and D Only
C A, B and D Only
D A and C Only

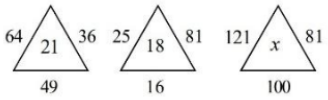
44 Nine friends J, K, L, M, N, O, P, Q and R are watching a cricket match in a stadium. Seated in a row, L is at the immediate right of M and at third place at the right of N. K is at one end of row. Q is seated adjacent to both O and P. O is at the third place at the left of K. J is right next to left of O. Who is sitting between N and M?

A J
B R
C L
D Q

45 Choose one word out of the given alternatives, which can not be formed from the letters of the word "CONSULTATION".

A CONSTANT
B NATION
C SALUTE
D STATION

46 What will be the value of x as per the following figures?



A 10
B 20
C 30
D 40

47 Two statements are given below, followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts and decide which of the given conclusions logically follow from the given statements.
Statements - Some bottles are drinks. All drinks are cups.
Conclusions -
I. Some bottles are cups
II. Some cups are drinks
III. All drinks are bottles
IV. All cups are drinks.

A Only I and II follow
B Only II and III follow
C Only II and IV follow
D Only I and IV follow

48 In a row of thirty boys, A is tenth from the right and B is seventh from the left end. How many boys are there between A and C, if C is third to the right of B?

A 10
B 11
C 9
D 8

49 By applying which of the following meanings of arithmetical signs, will the value of the expression $\left[800 - 10 \div \frac{1}{2} \times 35 + 75\right]$ be zero?

A $\times$ means $\div$, + means $\times$, $\div$ means +, − means −
B $\times$ means +, + means −, $\div$ means $\div$, − means $\times$
C $\times$ means +, + means −, $\div$ means $\times$, − means $\div$
D $\times$ means $\div$, + means −, $\div$ means $\times$, − means +

50 How many triangles are there in the given figure?



A 9
B 10
C 11
D 12

51 Match the LIST-I with LIST-II

LIST-I (Series)		LIST-II (Missing term)	
A.	5, 6, 9, 15, ?, 40	I.	31
B.	1, 2, 3, 6, 9, 18, ?, 54	II.	39
C.	2, 3, 3, 5, 10, 13, ?, 43, 172, 177	III.	25
D.	3, 7, 15, ?, 63, 127	IV.	27

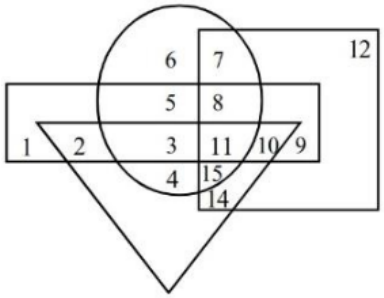
Choose the correct answer from the options given below:

A A-IV, B-III, C-II, D-I
B A-I, B-III, C-II, D-IV
C A-III, B-IV, C-II, D-I
D A-III, B-I, C-II, D-IV

52 In the following letter series, PMT, OOS, NQR, MSQ, ? , ... identify the next term (?) among the following alternatives:

A LUP
B LVP
C LVR
D LWP

53 In the following figure, circle represents sports persons, square represents unmarried persons, triangle represents women and rectangle represents educated persons.



The number which represents unmarried educated sports women is:

A 8

B 11

C 10

D 9

54 Which of the following statements are correct?

A. Needle is related to thread in the same way as pen is related to ink.

B. Doctor is related to patient in the same way as lawyer is related to Magistrate.

C. Drama is related to Director in the same way as Magazine is related to Editor.

D. Science is related to Laboratory in the same way as Astronomy is related to Observatory.

Choose the correct answer from the options given below:

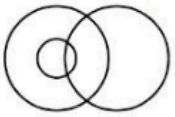
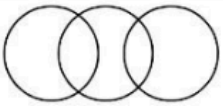
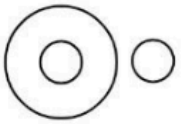
A A, B & C Only

B A & C Only

C C & D Only

D A, C & D Only

55 Match the LIST-I with LIST-II

LIST-I (Group)		LIST-II (Venn Diagram)	
A.	Bus, Car, Vehicle	I.	
B.	Males, Fathers, Doctors	II.	
C.	Flowers, Cloths, White	III.	
D.	Furniture, Table, Books	IV.	

Choose the correct answer from the options given below:

A A-IV, B-III, C-II, D-I

B A-III, B-IV, C-II, D-I

C A-III, B-I, C-IV, D-II

D A-III, B-I, C-II, D-IV

56 All the six members of a family A, B, C, D, E and F are travelling together. B is son of C but C is not mother of B. A and C are married couple. E is the brother of C. D is the daughter of A. F is the brother of B. In reference to the above information, which of the following are correct.
A. E is uncle of D.
B. A is the mother of B.
C. A has two children.
D. There are four males in the family.
Choose the correct answer from the options given below:

A A, B & C Only
B A, B & D Only
C A & D Only
D B & D Only

57 The door of Akshita's house faces the east. From the back side of her house, she walks straight 50 metres, then turns to the right and walks 50 metres again. Finally, she turns towards left and stops after walking 25 metres. Now, Akshita is in which direction from the starting point?

A South-east
B North-east
C South-west
D North-west

Questions 58 – 60

The following questions are based on the year-wise production of steel for the period 2017 to 2024.

The data chart for this set was not printed in the original question paper. Questions and answer key are given for reference.

58 How many years have shown production of steel above the average production for the given period (2017-2024)?

A Two
B Three
C Four
D Five

59 The percent change in production of steel is minimum for which of the following pair of years?

A From 2017 to 2018
B From 2021 to 2022
C From 2018 to 2019
D From 2019 to 2020

60 The increase in production of steel in 2023 over the preceding year is how many times compared to the increase in production of steel in 2021 over its preceding year?

A 2.50
B 1.50
C 1.25
D 2.75

Questions 61 – 63

The following questions are based on the data of wickets taken and runs conceded by a bowler in Test and ODI matches against different countries.

The data chart for this set was not printed in the original question paper. Questions and answer key are given for reference.

61 Against which two countries did the bowler take the same number of wickets in test and ODI matches, respectively?

A R (Test), S (ODI)
B U (Test), R (ODI)
C R (Test), P (ODI)
D P (Test), T (ODI)

62 Against which country is the bowler's strike rate (runs conceded per wicket) the best in ODI matches?

A Q
B U
C S
D R

63 Find the difference between the strike rate (runs conceded per wicket) of the bowler in ODI matches and that in Test matches.

A 4.75
B 5
C 5.25
D 4

Questions 64 – 66

The following questions are based on the income and expenditure data of businessmen X, Y and Z for the given years.

The data chart for this set was not printed in the original question paper. Questions and answer key are given for reference.

64 If expenditure of businessmen X, Y, Z decreased by 5%, 10% and 15%, respectively, from 2019 to 2020, then what was the total expenditure (in ₹10,000) of X, Y and Z in 2020?

A 695
B 656
C 667
D 683

65 If Z's income in 2017 was ₹17,55,000, what was his percent profit in that particular year?

A 21%
B 15%
C 17%
D 19%

66 If the percent profit earned by all the businessmen together in 2018 was 37%, what was the total income (in ₹1,000) of all the businessmen together in that particular year?

A 7398
B 7856
C 8235
D 8166

Verbal Ability & Reading Comprehension

67 Pick the synonym of the word "AUTONOMY":

A Faith
B Moral Code
C Independence
D Administration

68 Pick the most appropriate antonym of the term "DORMANT":

A Important
B Perfect
C Active
D Bright

69 Which of the following is the synonym of the term "DEARTH"?

A Scarcity
B Availability
C Plenty
D Absence

70 Pick the best substitute for the following expression:
A person, especially a young one, with exceptional abilities.

A Intellectual
B Genius
C Prodigy
D Mastermind

71 Pick the correct meaning of the phrase "INTRA VIRES":

A Internet Virus
B Contagious disease
C Beyond jurisdiction
D Within authority

72 Pick the word with correct spelling:

A Ambessador
B Ambassador
C Ambassader
D Ambassodor

73 Pick the odd one out from the following options:

A top in
B top off
C top up
D top out

74 Pick the correct meaning of the underlined phrase in the following sentence:
He had always dreamt of reaching the dizzy heights.

A feeling dizzy
B driving at high speed
C climb the highest peak of mountains
D hold important position

75 Pick the active voice of the following sentence:
Bravery and loyalty were rewarded by the king.

A For bravery and loyalty, it is said that the king has given reward.
B The king has given a reward for bravery and loyalty
C The king rewarded bravery and loyalty.
D Reward was given for bravery and loyalty.

76 Pick the active voice of the following sentence:
This word cannot be uttered by a sane man.

A A sane man did not utter this word.
B A sane man will not utter this word.
C A sane man cannot utter the word.
D A sane man cannot utter this word.

77 Pick the correct set of words to complete the following sentence:
Survival of mankind _____ is in danger due to _____ of atomic weapons.

A himself, preparation
B themselves, regularisation
C only, provocation
D itself, proliferation

78 Choose the most appropriate meaning of the underlined word:
This is a typical example of Roman pottery.

A difficult
B rare
C distinct
D far-fetched

79 Identify the erroneous part of the sentence given below:

A One of my friend
B has gone
C to Britain
D for her higher studies.

80 Identify the erroneous part of the sentence given below:

A The Indian government has decided to strengthen
B the state's capacity to move away from
C a already obsolete "one-size-fits-all" approach
D and to introduce specific solutions to regional issues.

81 Choose the option which conveys almost the same meaning as the underlined word:
He is too gullible to believe manipulated versions of the happening.

A unusual
B gusty
C equipoised
D naive

82 Choose the option which best replaces the underlined phrase in more conventional English:
"He has not been able to make any significant impact, however, he behaves as if he is the supreme leader."

A as he is
B as if he were
C as if he was
D as if

83 Pick the most appropriate Punctuation mark for the following sentence:
Here comes the bus _____

A (?) Question mark
B (.) Full stop
C (-) Colon
D (!) Exclamation mark

84 Out of the given options, pick the one which best expresses the following sentence in indirect speech:
The teacher says, "I go to gym every morning."

A The teacher says that he goes to gym every morning.
B The teacher said that he used to go to gym every morning.
C The teacher said that he goes to gym every morning.
D The teacher says that he went to gym every morning.

85 What does the expression "by all means" suggest?

A Apprehension and doubt
B Satisfaction and anxiety
C Willingness and consent
D Unwillingness and refusal

86 In the following question, a sentence is divided into four parts (A, B, C & D). Rearrange the parts in a proper order to make a meaningful sentence:
A. a geographical area usually
B. cartography is the art and science
C. on a flat surface as a map or chart
D. of graphically representing

A A, B, C, D
B B, D, A, C
C B, A, C, D
D A, C, B, D

Questions 87 – 88
Out of the four options given below, select the most logical order of sentences to form a coherent paragraph:

87 A. When one tried to unify gravity with quantum mechanics, one had to introduce the idea of 'imaginary' time.
B. This means that there can be no important difference between the forward and backward directions of imaginary time.
C. Imaginary time is indistinguishable from directions in space.
D. On the other hand, when one looks at 'real' time, there is very big difference between the forward and backward directions, as we all know.
E. If one can go north, one can turn around and head south; equally, if one can go forward in imaginary time, one ought to be able to turn around and go backwards.

A A, B, C, D, E
B A, C, E, B, D
C C, A, B, E, D
D C, B, D, E, A

88 A. With this change, what was once marginal has now become central leading to alliances, agreements, coalitions and accommodations.
B. The shift to bottom-up political power has meant that India's reform agenda has become more tentative, as policies can be derailed or slowed down by political parties with even small national count.
C. With the margins having say, untrammelled acceptance of ineffective policies and bad ideas is no longer possible.
D. And, on the other side, coalition politics has worked its magic and India's potential bureaucrat-visionaries now have too many feat in the aisle ready to trip them over.
E. However, such a shift has changed and deepened India's democracy.

A B, E, A, C, D
B D, C, B, E, A
C E, C, D, B, A
D D, E, C, A, B

Questions 89 – 91

Read the following passage and answer the questions that follow.

The passage for this set was not printed in the original question paper. Questions and answer key are given for reference.

89 Which of the following statements are true about the given passage?
A. The author deliberates on the evolution of human beings on the earth.
B. He acknowledges an inherent contrast in nature.
C. He states a direct relation between order and disorder.
D. He finds a mutual inter-dependence in order and disorder in nature.
Choose the correct answer from the options given below:

A A, B and C Only
B A, B and D Only
C B, C and D Only
D A, B, C and D Only

90 What does the phrase "PROVIDED THAT" mean as per the passage?

A required condition
B suggestion
C instruction
D mechanism

91 Which of the following statements are in sync with the passage?
A. The writer deliberates on the genesis of life on the earth and other planets of the galaxy.
B. He blames throughout human beings for being indifferent to the life and survival of other species.
C. He suggests that in the universe, order and disorder are, in fact, relational.
D. He states that increase of order requires and depends on the increase of disorder.
Choose the correct answer from the options given below:

A A and B Only
B A, B and C Only
C B, C and D Only
D C and D Only

92 Which of the following statements are true regarding the common grammatical use of the terms "Kind" and "Sort".

A. The singular or plural use of these terms depends on the word used before them.
B. Kind/Sort of is followed by a singular or uncountable noun.
C. Kind/Sort of is followed by a plural or uncountable noun.
D. Kinds/Sorts of is followed by a singular or uncountable noun.
E. Kinds/Sorts of is followed by a plural or uncountable noun.
Choose the correct answer from the options given below:

A A, B & D Only
B A, B & E Only
C A, C & E Only
D D, C & D Only

93 Which of the following statements are true about the grammatical usage of the term "EITHER"?

A. "Either" is followed by a singular verb.
B. "Either" is followed by a plural verb.
C. "Either of" is followed by a plural noun or pronoun.
D. When "either..... or" is used with two singular nouns, the verb can be singular or plural.
Choose the correct answer from the options given below:

A A, C and D Only
B B, C and D Only
C C and D Only
D A, B, C and D Only

94 Match the LIST-I with LIST-II.

LIST-I		LIST-II	
A.	The sky covers the Earth from above.	I.	Noun
B.	The moral law is above the civil.	II.	Adjective
C.	Analyse the above sentence.	III.	Preposition
D.	Please read the above before filling the form.	IV.	Adverb

Choose the correct answer from the options given below:

A A-III, B-I, C-II, D-IV
B A-II, B-III, C-IV, D-I
C A-III, B-IV, C-I, D-II
D A-IV, B-III, C-II, D-I

Questions 95 – 97

Read the following passage and answer the questions that follow.

The passage for this set was not printed in the original question paper. Questions and answer key are given for reference.

95 Which of the following statements are in sync with the passage?
A. The writer appreciates the inherent flexibility in the democratic form of governance.
B. The passage denigrates force and violence as the means of changing regimes.
C. It states that in democracy changes are sought through democratic procedure.
D. It acknowledges revolution as a viable alternative only in absence of democratic means.
Choose the correct answer from the options given below:

A A, B, and C Only
B A, C and D Only
C B, C and D Only
D A, B, C and D Only

96 Which of the following terms are appropriate to describe the style of the passage?
A. Simple
B. Ornamental
C. Narrative
D. Reflective
Choose the correct answer from the options given below:

A A and C Only
B A and D Only
C B and C Only
D B and D Only

97 Which of the following statements are true about the given passage?
A. The writer underlines the advantages of a democratic form of government.
B. He appreciates the self-reformatory nature of the democratic model of governance.
C. He infers a neat binary between election and revolution.
D. He stresses on the indispensability of revolution as the only means of change.
Choose the correct answer from the options given below:

A A, B and C Only
B A, C and D Only
C B, C and D Only
D A, B, C and D Only

98 Match the LIST-I with LIST-II.

LIST-I		LIST-II	
A.	Be at loggerhead	I.	very soon
B.	In a jiffy	II.	to disagree strongly with each other
C.	To double cross	III.	hard pressed
D.	At a pinch	IV.	to cheat

Choose the correct answer from the options given below:

A A-IV, B-III, C-II, D-I
B A-III, B-II, C-IV, D-I
C A-I, B-II, C-III, D-IV
D A-II, B-I, C-IV, D-III

99 Match the LIST-I with LIST-II.

LIST-I		LIST-II	
A.	Ad hoc	I.	Because of the fact
B.	Ad infinitum	II.	As a unit
C.	En bloc	III.	Again and again
D.	Ipso facto	IV.	Arranged for the specific purpose

Choose the correct answer from the options given below:

A A-IV, B-II, C-III, D-I

B A-II, B-III, C-IV, D-I

C A-III, B-I, C-II, D-IV

D A-IV, B-III, C-II, D-I

100 Match the LIST-I with LIST-II.

LIST-I		LIST-II	
A.	We had spoken.	I.	Simple Past Tense
B.	He was speaking.	II.	Past Perfect Continuous Tense
C.	You had been speaking.	III.	Past Continuous Tense
D.	They spoke.	IV.	Past Perfect Tense

Choose the correct answer from the options given below:

A A-IV, B-II, C-I, D-III

B A-II, B-III, C-IV, D-I

C A-IV, B-III, C-II, D-I

D A-IV, B-III, C-I, D-II

Answer Key

Quantitative Aptitude

1 **D**	2 **C**	3 **A**	4 **D**	5 **A**	6 **B**	7 **B**	8 **C**	9 **C**	10 **C**
11 **D**	12 **D**	13 **A**	14 **C**	15 **C**	16 **D**	17 **D**	18 **D**	19 **A**	20 **C**
21 **B**	22 **C**	23 **A**	24 **C**	25 **C**	26 **D**	27 **D**	28 **B**	29 **D**	30 **C**
31 **C**	32 **A**	33 **D**							

Data Interpretation & Logical Reasoning

34 **D**	35 **C**	36 **C**	37 **C**	38 **A**	39 **D**	40 **A**	41 **D**	42 **A**	43 **A**
44 **B**	45 **C**	46 **C**	47 **A**	48 **A**	49 **C**	50 **C**	51 **C**	52 **A**	53 **B**
54 **D**	55 **D**	56 **B**	57 **D**	58 **C**	59 **B**	60 **C**	61 **D**	62 **A**	63 **B**
64 **D**	65 **C**	66 **A**							

Verbal Ability & Reading Comprehension

67 **C**	68 **C**	69 **A**	70 **C**	71 **D**	72 **B**	73 **A**	74 **D**	75 **C**	76 **D**
77 **D**	78 **C**	79 **A**	80 **C**	81 **D**	82 **B**	83 **D**	84 **A**	85 **C**	86 **B**
87 **B**	88 **A**	89 **D**	90 **A**	91 **D**	92 **B**	93 **A**	94 **D**	95 **D**	96 **B**
97 **A**	98 **D**	99 **D**	100 **C**						

Solutions

Quantitative Aptitude

1 **Answer: D**

Write every term as a power of 2: $2^{122} + 2^{124} + 2^{126} + 2^{128} + 2^{130}$.
Take 2^{122} common: $2^{122}(1 + 4 + 16 + 64 + 256) = 2^{122} \times 341$.
$341 = 11 \times 31$, so the expression is divisible by **11**.

2 **Answer: C**

$56 = 2^3 \times 7$. Count the factors of 2 and 7 in the product.
Powers of 2: $42 \to 1,\ 26 \to 1,\ 64 \to 6,\ 16 \to 4$; total $= 12$, so $2^{12} = (2^3)^4$ gives at most 4.
Powers of 7: $42 \to 1,\ 49 \to 2,\ 63 \to 1$; total $= 4$.
Maximum $n = \min(4, 4) = \mathbf{4}$.

3 **Answer: A**

Time for one revolution: $\frac{60}{60} = 1$ s, $\frac{60}{36} = \frac{5}{3}$ s, $\frac{60}{24} = \frac{5}{2}$ s.
They meet again after the LCM of these times: $\text{LCM}\left(1, \frac{5}{3}, \frac{5}{2}\right) = \frac{\text{LCM}(1,5,5)}{\text{HCF}(1,3,2)} = \frac{5}{1} = \mathbf{5}$ seconds.

4 **Answer: D**

Rationalise: $\sqrt{n+1} - \sqrt{n-1} = \dfrac{2}{\sqrt{n+1} + \sqrt{n-1}}$.
The larger n is, the larger the denominator and the smaller the value. So the order from largest to smallest is $n = 100, 200, 300, 400$, i.e. **C, D, B, A**.

5 **Answer: A**

$pr = \frac{3}{7}q \cdot \frac{5}{9}s = \frac{5}{21}qs$.
Numerator: $7 \cdot \frac{5}{21}qs - qs = \frac{5}{3}qs - qs = \frac{2}{3}qs$.
Denominator: $6qs - 21 \cdot \frac{5}{21}qs = 6qs - 5qs = qs$.
Value $= \mathbf{\frac{2}{3}}$.

6 **Answer: B**

Total age rises by $8 \times 4 = 32$ years.
New man $= 30 + 32 = \mathbf{62}$ years.

7 **Answer: B**

For numbers in AP, the average is the middle term.
Sum of the 7 even numbers $= 7d$ (middle term d). Sum of the 5 odd numbers $= 5l$ (middle term l).
Average of all 12 numbers $= \dfrac{\mathbf{5l + 7d}}{\mathbf{12}}$.

8 **Answer: C**

Let the numbers be $2x, 3x$. $\dfrac{2x+9}{3x+9} = \dfrac{3}{4} \Rightarrow 8x + 36 = 9x + 27 \Rightarrow x = 9$.
Numbers: 18 and 27. Product $= \mathbf{486}$.

9 **Answer: C**

Let her age at marriage be x. Then $x + 6 = \dfrac{5}{4}x \Rightarrow x = 24$; present age $= 30$.
Son's age $= \dfrac{30}{10} = \mathbf{3}$ years.

10 **Answer: C**

A: 550% of $250 = 1375$; $1375 \div 275 = 5$ → IV.
B: 38% of $341 = 129.58$ → I.
C: $86.7 + 144.9 = 231.6$ → II.
D: $78.4 + 78.4 = 156.8$ → III.
So **A-IV, B-I, C-II, D-III**.

11 **Answer: D**

An increase of 29.7% means new value $= x\left(1 + \dfrac{29.7}{100}\right) = 1.297x$. Multiplier $= \mathbf{1.297}$.

12 **Answer: D**

18% of the number $= 198$, so 36% (= $92\% - 56\%$) $= 2 \times 198 = \mathbf{396}$.

13 **Answer: A**

Price after both discounts $= 100\left(1 - \dfrac{p}{100}\right)\left(1 - \dfrac{q}{100}\right) = 100 - p - q + \dfrac{pq}{100}$.
Single discount $= \mathbf{p + q - \dfrac{pq}{100}}\ \%$.

14 **Answer: C**

International ÷ Domestic: A ≈ 1.425, B ≈ 1.412, C ≈ 2.64, D ≈ 4.43.
Ascending: **B, A, C, D**.

15 **Answer: C**

Take $P = 5,\ Q = 2$: $(10 - 6) : (15 - 10) = \mathbf{4 : 5}$.

16 **Answer: D**

SI per year $= \frac{240}{3} = 80$. For 2 years, SI $= 160$.

CI − SI $= 10$, which is interest earned on the first year's interest of ₹80.

Rate $= \frac{10}{80} \times 100 = \mathbf{12\frac{1}{2}}\%$.

17 **Answer: D**

Capital × months: A $= 5000 \times 12 = 60000$; B $= 2500 \times 10 = 25000$; C $= 3500 \times 10 = 35000$.

Ratio $= 12 : 5 : 7$ (total 24). B's share $= \frac{5}{24} \times 4800 =$ **₹1000**.

18 **Answer: D**

Let $r = 12,\ h = 5$; slant height $l = \sqrt{144 + 25} = 13$.

Cone TSA $= \pi r(l + r) = \pi \cdot 12 \cdot 25 = 300\pi$.

Cylinder TSA $= 2\pi r(h + r) = 2\pi \cdot 12 \cdot 17 = 408\pi$.

Ratio $= 300 : 408 = \mathbf{25} : \mathbf{34}$.

19 **Answer: A**

By alligation: (10% part) : (−5% part) $= (7 - (-5)) : (10 - 7) = 12 : 3 = 4 : 1$.

So 40 kg at 10% profit and 10 kg at 5% loss.

20 **Answer: C**

B alone in 20 days does $\frac{20}{50} = \frac{2}{5}$ of the work. So $\frac{3}{5}$ was done together.

Together per day $= \frac{1}{40} + \frac{1}{50} = \frac{9}{200}$.

Days $= \frac{3}{5} \div \frac{9}{200} = \frac{40}{3} = \mathbf{13\frac{1}{3}}$ days.

21 **Answer: B**

Time difference $= 12$ min $= \frac{1}{5}$ h.

$\frac{d}{2.5} - \frac{d}{3.5} = \frac{1}{5} \Rightarrow d\left(\frac{2}{5} - \frac{2}{7}\right) = \frac{1}{5} \Rightarrow d \cdot \frac{4}{35} = \frac{1}{5} \Rightarrow d = \mathbf{\frac{7}{4}}$ km.

22 **Answer: C**

$xy + yz + zx = \frac{7^2 - 85}{2} = -18$.

$x^3 + y^3 + z^3 - 3xyz = (x + y + z)(x^2 + y^2 + z^2 - xy - yz - zx) = 7(85 + 18) = 721$.

$3xyz = 913 - 721 = 192 \Rightarrow xyz = 64 \Rightarrow \sqrt[3]{64} = \mathbf{4}$.

23 **Answer: A**

Parallel lines have equal slopes: $-\frac{1}{2} = -\frac{k}{4} \Rightarrow k = \mathbf{2}$.

24 **Answer: C**

Let $x = 13a,\ y = 13b$ with a, b co-prime. $169ab = 6760 \Rightarrow ab = 40$.
Co-prime pairs with product 40: $(1, 40)$ and $(5, 8)$. So **2** pairs.

25 **Answer: C**

Product of roots $= \alpha \cdot \dfrac{1}{\alpha} = 1 = \dfrac{c}{a} \Rightarrow \mathbf{a = c}$.

26 **Answer: D**

$\dfrac{1}{p} + \dfrac{1}{q} = \dfrac{p+q}{pq} = -\dfrac{b}{c} = 4 \Rightarrow b = -4c$.
AP: $2b = a + c \Rightarrow -8c = a + c \Rightarrow a = -9c$.
$p + q = -\dfrac{b}{a} = -\dfrac{4}{9}$, $pq = \dfrac{c}{a} = -\dfrac{1}{9}$.
$(p-q)^2 = (p+q)^2 - 4pq = \dfrac{16}{81} + \dfrac{36}{81} = \mathbf{\dfrac{52}{81}}$.

27 **Answer: D**

Volume $= 25 \times 20 \times 2 = 1000$ cm³, so cube side $= 10$ cm, surface area $= 600$ cm².
Sheet surface area $= 2(500 + 50 + 40) = 1180$ cm².
Difference $= \mathbf{580}$ cm².

28 **Answer: B**

$\dfrac{1}{3+\sqrt{3}} + \dfrac{1}{\sqrt{3}-3} = \dfrac{(\sqrt{3}-3)+(3+\sqrt{3})}{3-9} = \dfrac{2\sqrt{3}}{-6} = -\dfrac{1}{\sqrt{3}}$.
So the expression $= 3 + \dfrac{1}{\sqrt{3}} - \dfrac{1}{\sqrt{3}} = \mathbf{3}$.

29 **Answer: D**

Total caps $= 12$. $P = \dfrac{\binom{4}{2}\binom{5}{1}}{\binom{12}{3}} = \dfrac{6 \times 5}{220} = \mathbf{\dfrac{3}{22}}$.

30 **Answer: C**

$P(\text{Sam}) = \dfrac{1}{4},\ P(\text{Jack}) = \dfrac{1}{2},\ P(\text{Raj}) = 1$.
Raj always hits, so we need at least one more hit from Sam or Jack: $1 - \dfrac{3}{4} \cdot \dfrac{1}{2} = \mathbf{\dfrac{5}{8}}$.

31 **Answer: C**

Cube: $6 \times 2^2 = 24$ cm². Cuboid: $2(2 + 6 + 3) = 22$ cm². Total $= 46 \leq 54$, so **both** can be painted.

32 **Answer: A**

$(l + b + h)^2 = l^2 + b^2 + h^2 + 2(lb + bh + hl)$.
$484 = 196 + \text{Surface area} \Rightarrow$ Surface area $= \mathbf{288}$ cm².

33 **Answer: D**

$l^2 + b^2 + h^2 = 196$ and $lb + bh + hl = \dfrac{288}{2} = 144.$

$S - 3V = (l + b + h)\left(l^2 + b^2 + h^2 - (lb + bh + hl)\right) = 22 \times 52 = \mathbf{1144}$ cm³.

Thinkoraa
Think big, Achieve bigger

Data Interpretation & Logical Reasoning

34 **Answer: D**

Compare letter by letter: Ente(rprise) < Enth(usiasm) < Entr(ench) < Ep(hemeral) < Ex(hilarate). Order: **C, A, D, B, E**.

35 **Answer: C**

Pattern: first number $= n(n-2)$ where n is the second number.
$23 \times 21 = 483$, $26 \times 24 = 624$, $38 \times 36 = 1368$. But $31 \times 29 = 899 \neq 1023$. Odd one: **1023, 31**.

36 **Answer: C**

From the codes: 3→R, 4→O, 5→P, 6→E, 1→A, 2→L.
54613 → P O E A R = **POEAR**.

37 **Answer: C**

Her son's maternal uncle is Sujata's brother. The man's son is Sujata's brother, so the man is her **father**.

38 **Answer: A**

The mirror stands to the right of the figure, so the image is flipped left-to-right while top and bottom stay unchanged. Check each shaded triangle of (X) one by one: its image must sit at the same height on the opposite side and point the opposite way. Only option **A** has every shaded part in the correct flipped position.

39 **Answer: D**

A water image flips the figure top-to-bottom; left and right stay the same. So the triangles turn upside down (▽), the arrows that pointed up now point down and vice-versa, and the shaded halves of the circles move from top to bottom. Option **D** matches all of these changes.

40 **Answer: A**

A person falls ill, visits a doctor, has a consultation, gets treatment and then recovers: Illness → Doctor → Consultation → Treatment → Recovery = **B, C, A, D, E**.

41 **Answer: D**

64 cubes means $n = 4$ cubes along each edge.
No face coloured: $(n-2)^3 = 8$, so A is false.
One face: $6(n-2)^2 = 24$, so B is true.
Since $n > 1$, no small cube touches two opposite faces, so C is true.
Three faces: the 8 corner cubes, so D is true. Answer: **B, C, D**.

42 **Answer: A**

From the three views, 6 is seen next to 1, 4 (first view) and 5, 3 (second view). So 6 is adjacent to 1, 3, 4, 5. The only number left is 2, so **6** is opposite 2.

43 **Answer: A**

Nehru: A, B. Azad: C, D, E, F. Tall: D, F. Glasses: A, C, D.
A: B and E are short with no glasses — true.
B: E is Azad, short, no glasses — true.
C: F is Azad and tall — false.
D: C wears glasses — false. Answer: **A and B only**.

44 **Answer: B**

O is third to the left of K, so K must be at the right end (position 9) and O at 6. J is immediately left of O (5). Q is next to both O and P, so Q = 7, P = 8.
Positions 1–4 hold M, L, N, R with L right after M and N three places left of L: N = 1, M = 3, L = 4, R = 2.
Row: N R M L J O Q P K. Between N and M sits **R**.

45 **Answer: C**

CONSULTATION has no letter E, so **SALUTE** cannot be formed. The other words use only available letters.

46 **Answer: C**

The centre number is the sum of the square roots of the three outer numbers.
$8 + 6 + 7 = 21$; $5 + 9 + 4 = 18$; so $x = 11 + 9 + 10 = \mathbf{30}$.

47 **Answer: A**

The bottles that are drinks are also cups, so I follows. All drinks are cups, so some cups are drinks — II follows. III and IV are not guaranteed. Answer: **only I and II**.

48 **Answer: A**

A is $30 - 10 + 1 = 21$st from the left. C is $7 + 3 = 10$th from the left.
Boys between them: positions 11 to 20 = **10**.

49 **Answer: C**

With option C the expression becomes $800 \div 10 \times \frac{1}{2} + 35 - 75 = 80 \times \frac{1}{2} + 35 - 75 = 40 + 35 - 75 = \mathbf{0}$.

50 **Answer: C**

Label the top vertex T, the side vertices L and R, the bottom corners X and Y, and the midpoint of the base M. Lines TX and LM cross at P; lines TY and RM cross at Q.
Left half: TLP, LXP, PXM, LXM, TLX — 5 triangles.
Right half (mirror): TRQ, RYQ, QYM, RYM, TRY — 5 triangles.
Plus the large triangle TXY.
Total $= \mathbf{11}$.

51 **Answer: C**

A: differences 1, 3, 6, 10, 15 → $15 + 10 = 25$ (III).
B: alternately ×2 and +(previous term): 9×2 = 18, 18+9 = 27, 27×2 = 54 → 27 (IV).
C: +1, ×1, +2, ×2, +3, ×3, ... → $13 \times 3 = 39$ (II).
D: ×2 + 1 → $15 \times 2 + 1 = 31$ (I).
Answer: **A-III, B-IV, C-II, D-I**.

52 **Answer: A**

1st letters: P, O, N, M, **L** (−1). 2nd letters: M, O, Q, S, **U** (+2). 3rd letters: T, S, R, Q, **P** (−1).
Next term: **LUP**.

53 **Answer: B**

We need the region that lies inside all four shapes — circle (sports), square (unmarried), triangle (women) and rectangle (educated). Only region **11** is common to all four.

54 **Answer: D**

A: a needle works with thread as a pen works with ink — correct.
B: a doctor serves a patient; a lawyer serves a client, not a magistrate — incorrect.
C: a drama is run by a director, a magazine by an editor — correct.
D: science is practised in a laboratory, astronomy in an observatory — correct. Answer: **A, C & D**.

55 **Answer: D**

A (Bus, Car, Vehicle): bus and car are separate, both inside vehicle → III.
B (Males, Fathers, Doctors): all fathers are males; doctors overlap both → I.
C (Flowers, Cloths, White): flowers and cloths are separate; white overlaps each → II.
D (Furniture, Table, Books): table is inside furniture; books are separate → IV.
Answer: **A-III, B-I, C-II, D-IV**.

56 **Answer: B**

C is B's father, so A (C's wife) is B's mother. Children of A and C: B, F (sons) and D (daughter). E is C's brother.
A: E is D's uncle — true. B: true. C: A has three children — false. D: males are B, C, E, F — four, true. Answer: **A, B & D**.

57 **Answer: D**

The back of the house faces west, so she walks 50 m west. Turning right while facing west means heading north: 50 m north. Turning left now means heading west: 25 m.
She ends up 75 m west and 50 m north of the start: **North-west**.

58 **Answer: C**

Source data for this set was not printed in the original paper; refer to the answer key.

59 **Answer: B**

Source data for this set was not printed in the original paper; refer to the answer key.

60 **Answer: C**

Source data for this set was not printed in the original paper; refer to the answer key.

61 **Answer: D**

Source data for this set was not printed in the original paper; refer to the answer key.

62 **Answer: A**

Source data for this set was not printed in the original paper; refer to the answer key.

63 **Answer: B**

Source data for this set was not printed in the original paper; refer to the answer key.

64 **Answer: D**

Source data for this set was not printed in the original paper; refer to the answer key.

65 **Answer: C**

Source data for this set was not printed in the original paper; refer to the answer key.

66 **Answer: A**

Source data for this set was not printed in the original paper; refer to the answer key.

Verbal Ability & Reading Comprehension

67 **Answer: C**

Autonomy means the freedom to govern oneself — **independence**.

68 **Answer: C**

Dormant means inactive or asleep; its opposite is **active**.

69 **Answer: A**

Dearth means a shortage of something — **scarcity**. "Absence" is total lack, which is stronger than dearth.

70 **Answer: C**

A **prodigy** is a young person with exceptional talent. "Genius" carries no sense of youth.

71 **Answer: D**

Intra vires (Latin) means "within the powers" — **within authority**. Its opposite, *ultra vires*, means beyond authority.

72 **Answer: B**

The correct spelling is **Ambassador**.

73 **Answer: A**

"Top off", "top up" and "top out" are standard phrasal verbs. "**Top in**" is not, so it is the odd one out.

74 **Answer: D**

"The dizzy heights" is an idiom for a high or important position — **hold important position**.

75 **Answer: C**

"Were rewarded" is simple past passive; the active form keeps simple past with the king as subject: **The king rewarded bravery and loyalty.**

76 **Answer: D**

Keep the modal "cannot" and the determiner "this": **A sane man cannot utter this word.**

77 **Answer: D**

"Mankind" takes the reflexive "itself" for emphasis, and the threat comes from the spread (**proliferation**) of atomic weapons.

78 **Answer: C**

"Typical" here means characteristic of its kind — clearly showing the features of Roman pottery. Among the options, **distinct** is the closest.

79 **Answer: A**

"One of" is followed by a plural noun: it should be "One of my **friends**".

80 **Answer: C**

"Already" begins with a vowel sound, so the article should be "**an** already obsolete".

81 **Answer: D**

Gullible means easily fooled — **naive**.

82 **Answer: B**

For an unreal or imagined situation after "as if", formal English uses the subjunctive "were": **as if he were**.

83 **Answer: D**

The sentence expresses sudden excitement or relief, so an **exclamation mark** fits best.

84 **Answer: A**

The reporting verb "says" is in the present tense, so the tense inside does not change; only the pronoun changes: **The teacher says that he goes to gym every morning.**

85 **Answer: C**

"By all means" is a polite way of saying "certainly, please do" — **willingness and consent**.

86 **Answer: B**

"Cartography is the art and science (B) of graphically representing (D) a geographical area usually (A) on a flat surface as a map or chart (C)." Order: **B, D, A, C**.

87 **Answer: B**

A introduces imaginary time. C describes it (like directions in space). E illustrates this with north/south. B draws the conclusion ("This means..."). D contrasts with real time ("On the other hand"). Order: **A, C, E, B, D**.

88 **Answer: A**

B introduces the shift and its downside. E ("However, such a shift...") gives the upside. A ("With this change...") explains how. C continues the positive effect of the margins having a say. D ("And, on the other side...") closes with the other side. Order: **B, E, A, C, D**.

89 **Answer: D**

Source data for this set was not printed in the original paper; refer to the answer key.

90 **Answer: A**

"Provided that" introduces a condition that must be met — a **required condition**.

91 **Answer: D**

Source data for this set was not printed in the original paper; refer to the answer key.

92 **Answer: B**

"This kind of book" (singular) vs "these kinds of books" (plural): the determiner before the word decides the number (A). The singular "kind/sort of" takes a singular or uncountable noun (B); the plural "kinds/sorts of" takes a plural or uncountable noun (E). Answer: **A, B & E**.

93 **Answer: A**

"Either" as a subject takes a singular verb (A): "Either is fine." "Either of" is followed by a plural noun or pronoun (C): "either of the boys". With two singular nouns joined by "either...or", the singular verb is standard, though a plural verb is also seen in informal use (D). B contradicts A. Answer: **A, C and D**.

94 **Answer: D**

A: "from above" modifies the verb → adverb (IV). B: "above the civil" shows relation → preposition (III). C: "above sentence" describes the noun → adjective (II). D: "the above" is used as a thing → noun (I). Answer: **A-IV, B-III, C-II, D-I**.

95 **Answer: D**

Source data for this set was not printed in the original paper; refer to the answer key.

96 **Answer: B**

Source data for this set was not printed in the original paper; refer to the answer key.

97 **Answer: A**

Source data for this set was not printed in the original paper; refer to the answer key.

98 **Answer: D**

At loggerheads = disagree strongly (II); in a jiffy = very soon (I); double cross = cheat (IV); at a pinch = when hard pressed (III). Answer: **A-II, B-I, C-IV, D-III**.

99 **Answer: D**

Ad hoc = for a specific purpose (IV); ad infinitum = endlessly, again and again (III); en bloc = all together, as a unit (II); ipso facto = by that very fact (I). Answer: **A-IV, B-III, C-II, D-I**.

100 **Answer: C**

had + V3 = past perfect (IV); was + V-ing = past continuous (III); had been + V-ing = past perfect continuous (II); V2 = simple past (I). Answer: **A-IV, B-III, C-II, D-I**.

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