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JIPMAT 2025 OFFICIAL PAPER

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QUANTITATIVE ABILITY

Questions: 33 (+4/-1)

Total Test time: 2.5 Hrs

1. In 4 years, an amount of ₹ 6,000 becomes ₹ 8,000 at a certain rate of simple interest. In what time at the same simple interest rate, will an amount of ₹ 525 become ₹ 700 ?

- (a) 2 years (b) 3 years
(c) 4 years (d) 5 years

2. Three numbers A, B and C are such that A is 40% less than B, and C is 40% of the sum of A and B. The difference between A and B is what percentage of C?

- (a) 60.5% (b) 64%
(c) 62.5% (d) 60%

3. $\frac{(4.53-3.07)^2}{(3.07-2.15)(2.15-4.53)} + \frac{(3.07-2.15)^2}{(2.15-4.53)(4.53-3.07)} + \frac{(2.15-4.53)^2}{(4.53-3.07)(3.07-2.15)}$ is simplified to

- (a) 0 (b) 1
(c) 2 (d) 3

4. Four persons are chosen at random from a group of 3 men, 2 women and 4 children. The chance that exactly 2 of them are children is:

- (a) $\frac{1}{9}$ (b) $\frac{2}{9}$
(c) $\frac{1}{12}$ (d) $\frac{10}{21}$

5. Selling price of a glass is ₹ 1,965 and loss percent is 25%. If its selling price is ₹ 3,013, then what will be profit percent?

- (a) 13% (b) 10.4%
(c) 15% (d) 20%

6. $\sqrt{2 + \sqrt{3}} \times \sqrt{2 + \sqrt{2 + \sqrt{3}}} \times \sqrt{2 + \sqrt{2 + \sqrt{2 + \sqrt{3}}}}$

$\sqrt{2 - \sqrt{2 + \sqrt{2 + \sqrt{3}}}}$ is equal to

- (a) 1 (b) 2
(c) 4 (d) $\sqrt{6}$

7. Match the LIST-I with LIST-II.

LIST-I	LIST-II
A. 60% of 264	I. 20% of 6875
B. 60% of 28% of 240	II. 50% of 825.35
C. 85% of 485.5	III. 15% of 1056
D. 550% of 250	IV. 8.4% of 480

Choose the **correct** answer from the options given below:

- (a) A-II, B-IV, C-III, D-I (b) A-II, B-III, C-I, D-IV
(c) A-III, B-IV, C-I, D-II (d) A-III, B-IV, C-II, D-I


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8. From the four corners of a rectangular sheet of dimensions 25 cm × 20 cm, square of side 2 cm is cut off from four corners and a box is made. The volume of the box is

- (a) 828 cm³ (b) 672 cm³
(c) 500 cm³ (d) 1000 cm³

9. 40 men can complete a work in 48 days. 64 men started and did the same work for x days. After x days, 32 men increased, so, the remaining work is completed in $16\frac{2}{3}$ days, then the value of x is

- (a) 5 (b) 8
(c) 10 (d) 6

10. How many three-digit even numbers can be formed using the digits 1, 2, 3, 4 and 5, when repetition of digits is not allowed?
- (a) 36 (b) 30
(c) 24 (d) 12
11. Let x be the least number which when divided by 8, 12, 20, 28, 35 leaves a remainder of 5 in each case, then the sum of digits of x is:
- (a) 17 (b) 14
(c) 11 (d) 15
12. A car owner buys petrol at the rate ₹ 17, ₹ 19 and ₹ 20 per litre, respectively for three consecutive years. Compute the average cost per litre, if he spends ₹ 6,460 per year for the three consecutive years.
- (a) ₹ 18.49 (b) ₹ 18.58
(c) ₹ 19.20 (d) ₹ 21.66
13. The cost of fencing of an equilateral triangular park and a square park is the same. If the area of the triangular park is $16\sqrt{3}$ m², then the length of the diagonal of the square park is:
- (a) $6\sqrt{3}$ m (b) $8\sqrt{3}$ m
(c) $8\sqrt{2}$ m (d) $6\sqrt{2}$ m
14. A speaks truth in 75% cases and B in 80% of the cases. In what percentage of cases are they likely to contradict each other, in narrating the same incident?
- (a) 5% (b) 15%
(c) 35% (d) 45%
15. After adding 5 to both numerator and denominator of the following fractions, arrange them in ascending order of the magnitude of change in their values.
- A. $\frac{2}{3}$
B. $\frac{3}{4}$
C. $\frac{4}{5}$
D. $\frac{5}{6}$
- Choose the correct answer from the options given below:
- (a) $D < C < A < B$ (b) $D < A < B < C$
(c) $D < C < B < A$ (d) $A < D < B < C$
16. If $a + b = 2c$, then the value of $\frac{a}{a-c} + \frac{b}{b-c}$ is
- (a) $\frac{1}{2}$ (b) 1
(c) 2 (d) 3
17. ₹ 11,550 has to be divided between A, B and C such that A gets $\frac{4}{5}$ of what B gets and B gets $\frac{2}{3}$ of what C gets. How much more does C get in comparison to A (in ₹)?
- (a) 7,200 (b) 1,800
(c) 1,170 (d) 2,450
18. Which of the following statements is/are correct?
- A. If $2^x = 3^y = 6^{-z}$, then $\frac{1}{x} + \frac{1}{y} + \frac{1}{z} = 0$
B. $(243)^{0.16} \times (9)^{0.1} = 0.3$
C. If $3.105 \times 10^P = 0.00239 + 0.000715$, then $P = -3$
- Choose the **correct** answer from the options given below:
- (a) B only (b) B and C only
(c) A and B only (d) A and C only
19. Consider the following statements, which of them is/are correct?
- A. If the height of cylinder is doubled, the area of curved surface is doubled.
B. If the radius of a hemispherical solid is doubled, its total surface area becomes fourfold.
C. If a hemisphere and cone have equal bases and equal heights, then the ratio of curved surface area is 2:1.
- Choose the **correct** answer from the options given below:
- (a) B and C only (b) A and C only
(c) A and B only (d) A, B and C
20. A solid brass sphere of radius 21 cm is converted into a right circular cylindrical rod of length 28 cm. The ratio of total surface areas of the rod to sphere is:
- (a) 3:1 (b) 7:6
(c) 7:3 (d) 3:7
21. Let x be median of the data 13, 8, 15, 14, 17, 9, 14, 16, 13, 17, 14, 15, 16, 15, 14. If 8 is replaced by 18, then the median of data is y , then the sum of x and y is equal to:
- (a) 30 (b) 27
(c) 28 (d) 29
22. Amit and Alok attempted to solve a quadratic equation. Amit made a mistake in writing down the constant term and ended up with roots (4, 3). Alok made a mistake in writing down coefficient of x to get roots (3, 2). The correct roots of the equation are:
- (a) -4, -3 (b) 6, 1
(c) 4, 3 (d) -6, -1
23. The ratios of copper to zinc in alloys A and B are 3:4 and 5:9, respectively. If A and B are taken in ratio 2:3 and melted to form new alloy C, then the ratio of copper to zinc in C is:
- (a) 8:13 (b) 3:5
(c) 9:11 (d) 27:43

24. If $\frac{\sin \theta + \cos \theta}{\sin \theta - \cos \theta} = 3$, then value of $\sin^4 \theta - \cos^4 \theta$ is

- (a) $\frac{1}{5}$ (b) $\frac{2}{5}$
(c) $\frac{4}{5}$ (d) $\frac{1}{5}$

25. The value of $999\frac{1}{7} + 999\frac{2}{7} + 999\frac{3}{7} + 999\frac{4}{7} + 999\frac{5}{7} + 999\frac{6}{7}$ is equal to :

- (a) 5997 (b) 5979
(c) 5994 (d) 2997

26. Cost price of article A is ₹ 200 more than the cost price of article B. Article A was sold at 10% loss and article B was sold at 25% profit. If the overall profit earned after selling both the articles is 4%, then what is the cost price of article B?

- (a) ₹ 300 (b) ₹ 400
(c) ₹ 450 (d) ₹ 500

27. If $x^3 + y^3 = 468$ and $x + y = 12$, then value of $x^4 + y^4$ will be

- (a) 3620 (b) 2036
(c) 3025 (d) 3026

28. P's income is ₹ 140 more than Q's income and R's income is ₹ 80 more than S's. If the ratio of P's and R's incomes is 2:3 and the ratio of Q's and S's incomes is 1:2, then the incomes of P, Q, R and S are, respectively:

- (a) ₹ 260, ₹ 120, ₹ 320 and ₹ 240
(b) ₹ 300, ₹ 160, ₹ 600 and ₹ 520
(c) ₹ 400, ₹ 260, ₹ 600 and ₹ 520
(d) ₹ 320, ₹ 180, ₹ 480 and ₹ 360

29. The difference between compound and simple interests on a certain sum of money at the interest rate of 10% per annum for $1\frac{1}{2}$ years is ₹ 183, when the

interest is compounded semi-annually, then the sum of money is

- (a) ₹ 22,000 (b) ₹ 24,000
(c) ₹ 26,000 (d) ₹ 28,000

30. The traffic lights at three different road crossings change after every 48 sec, 72 sec and 108 sec, respectively. They all change simultaneously at 08:20:00 hours, when will they again change simultaneously?

- (a) 9:27:12 hours (b) 8:27:12 hours
(c) 7:27:13 hours (d) 11:00:12 hours

31. $2^{122} + 4^{62} + 8^{42} + 4^{64} + 2^{130}$ is divisible by which one of the following integers?

- (a) 3 (b) 5
(c) 7 (d) 11

32. Arrange the following in descending order based on their perimeters:

- A. A square with an area of 36 sq. cm.
B. An equilateral triangle with a side of 9 cm.
C. A rectangle with 10 cm as length and 4 sq. cm as area.
D. A circle with radius of 4 cm.

Choose the **correct** answer from the options given below:

- (a) $C > A > B > D$ (b) $D > A > B > C$
(c) $C > B > A > D$ (d) $C > B > D > A$

33. Two ships are sailing in the sea on the two sides of a lighthouse. The angles of elevation of the top of the lighthouse as observed from two ships are 30° and 45° , respectively. If the lighthouse is 100 m high, the distance between two ships is approximately:


- (a) 173 m (b) 200 m
(c) 273 m (d) 300 m

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- (a) A and B only (b) A, B and C only
 (c) A, B and D only (d) C and D only

41. If ROAST is coded as PQYUR in a certain code language, then how will SLOPPY be coded in that language?

- (a) MRNAQN (b) NRMNQA
 (c) QNMRNA (d) QANNMR

42. Pointing to man in photograph, a woman said, "His brother's father is the only son of my grandfather". How is the woman related to the man in the photograph?

- (a) Mother (b) Aunt
 (c) Sister (d) Grandmother

43. Match the LIST-I with LIST-II

LIST-I (Series)	LIST-II (Missing Term)
A. GJ, KM, NQ, RT, ?	I. SH
B. AI, BJ, CK, ?	II. JQ
C. AZ, CX, FU, ?	III. UX
D. AZ, GT, MN, ?	IV. DL

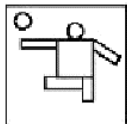
Choose the **correct** answer from the options given below:

- (a) A-IV, B-II, C-III, D-I (b) A-II, B-IV, C-III, D-I
 (c) A-III, B-IV, C-I, D-II (d) A-III, B-IV, C-II, D-I

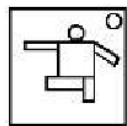
44. Choose the odd one out from the following:

- (a) Wheat (b) Pea
 (c) Mustard (d) Rice

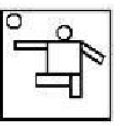
45. The mirror image of the figure is



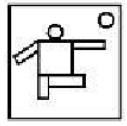
(a)



(b)



(c)



(d)

46. Match the LIST-I with LIST-II

LIST-I (Group)	LIST-II (Venn Diagram)
A. Hospital, Nurse, Patient	I.
B. Polygons, Quadrilaterals, Rhombus	II.
C. Engine, Piston, Wheel	III.
D. Colour, Cloth, Merchant	IV.

Choose the correct answer from the options given below:

- (a) A-I, B-III, C-II, D-IV (b) A-III, B-I, C-II, D-IV
 (c) A-III, B-IV, C-I, D-II (d) A-III, B-IV, C-II, D-I

47. There are six persons A, B, C, D, E and F in a family. C is sister of F. B is the brother of E's husband. D is the father of A and grandfather of F. There are two fathers, three brothers and a mother in the family. In reference to the above information, which of the following are correct?

- A. E is the mother in the family.
 B. A is the husband of E.
 C. There are four male members in the family.
 D. F is the son of D.

Choose the **correct** answer from the options given below:

- (a) B, C and D Only (b) A, B and C Only
 (c) A and B Only (d) C and D Only

48. Three statements are given below followed by three conclusions numbered I, II and III. 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 follows from the given statements.

Statements: All dolls are windows. All bottles are windows. All cars are bottles.

Conclusions: I. All cars are windows

II. Some cars are dolls.

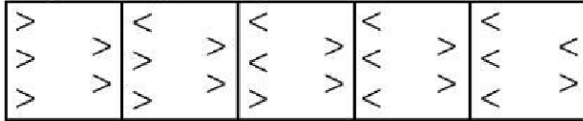
III. Some windows are cars.

- (a) Only I and II follow (b) Only II and III follow
 (c) Only I and III follow (d) Only III follows

49. If '-' stands for 'division', '+' for 'multiplication', '÷' for 'subtraction' and 'x' for 'addition', then which one of the following equations is correct?

- (a) $6 + 20 - 12 \div 7 - 1 = 38$ (b) $6 - 20 \div 12 \times 7 + 1 = 57$
 (c) $6 + 20 - 12 \div 7 \times 1 = 62$ (d) $6 \div 20 \times 12 + 7 - 1 = 70$

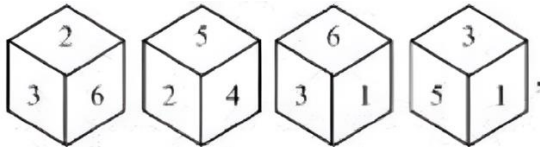
50. Five problem figures are given below:



Which of the following figure will continue the same pattern as established by the above problem figures?

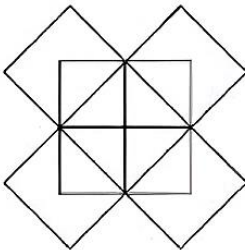
- (a)
- (b)
- (c)
- (d)

51. If four different positions of a dice are shown below then what number is opposite 3 ?



- (a) 6 (b) 4
(c) 3 (d) 2

52. The total number of squares and rectangles in the following figure is:



- (a) 18 (b) 22
(c) 20 (d) 24

53. The missing term in the series 5824, 5242, ?, 4247, 3823 is

- (a) 4467 (b) 4718
(c) 4856 (d) 5164

54. Match the LIST-I with LIST-II

LIST-I (Problem Figure)			LIST-II (Missing Number)	
A.	$\begin{matrix} 3 \\ 5 \text{ (12) } 4 \\ 2 \end{matrix}$	$\begin{matrix} 6 \\ 5 \text{ (18) } 2 \\ 3 \end{matrix}$	$\begin{matrix} 2 \\ 5 \text{ (?) } 2 \\ 9 \end{matrix}$	I. 6
B.	$\begin{matrix} 2 \\ 1 \text{ (13) } 3 \\ 5 \end{matrix}$	$\begin{matrix} 4 \\ 1 \text{ (?) } 5 \\ 6 \end{matrix}$	$\begin{matrix} 3 \\ 1 \text{ (17) } 5 \\ 4 \end{matrix}$	II. 12
C.	$\begin{matrix} 10 \\ 15 \text{ (14) } 8 \\ 8 \end{matrix}$	$\begin{matrix} 8 \\ 9 \text{ (8) } 5 \\ 6 \end{matrix}$	$\begin{matrix} 6 \\ 11 \text{ (?) } 8 \\ 4 \end{matrix}$	III. 29
D.	$\begin{matrix} 5 \\ 7 \text{ (13) } 4 \\ 3 \end{matrix}$	$\begin{matrix} 9 \\ 8 \text{ (5) } 4 \\ 3 \end{matrix}$	$\begin{matrix} 8 \\ 9 \text{ (?) } 4 \\ 3 \end{matrix}$	IV. 18

Choose the **correct** answer from the options given below:

- (a) A-II, B-IV, C-I, D-III (b) A-IV, B-II, C-III, D-I
(c) A-IV, B-I, C-II, D-III (d) A-IV, B-III, C-I, D-II

55. There is a certain relationship between two given words on one side of (::) and one word is given on the other side of (::).

Another word is to be found from the given alternatives having the same relation, with this word, as the words of given pair has.

Genuine : Authentic :: Mirage : ?

Choose the **correct** alternative from the following

- (a) Reflection (b) Hideout
(c) Illusion (d) Image

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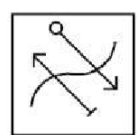
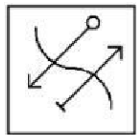
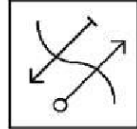
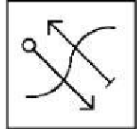
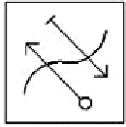
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56. The water image of the figure is



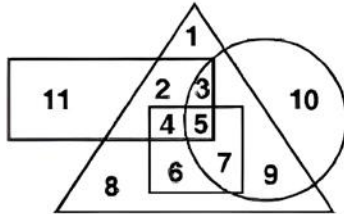
(a)

(b)

(c)

(d)

57. In the following diagram, circle represents businessman, square represents dancers, triangle represents musicians and rectangle represents Indians.



Who among the following is neither a dancer nor a musician but is a businessman and not an Indian?

- (a) 8
- (b) 11
- (c) 1
- (d) 10

58. If DRIVER = 12, PEDESTRIAN = 20 and ACCIDENT = 16, then CAR is equal to:

- (a) 3
- (b) 6
- (c) 8
- (d) 10

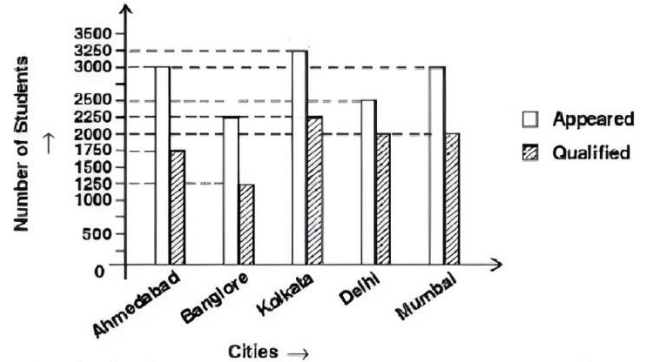
59. A watch is 1 minute slow at 1 p.m. on Tuesday and 2 minutes fast at 1 p.m. on Thursday. When did it show the correct time?

- (a) 1.00 am on Thursday
- (b) 5.00 pm on Wednesday

- (c) 1.00 pm on Wednesday
- (d) 5.00 am on Wednesday

Directions (Q.60-Q.62): Study the following graph carefully and answer the question given below:

Total Number of Students who appeared and qualified from various cities at a Management Entrance Exam:



60. What is the difference between the average number of students who appeared in the entrance exam from all given cities and the average number of students who qualified from all the cities together?

- (a) 950
- (b) 990
- (c) 1100
- (d) 1020

61. The number of students who appeared for the exam from Delhi is approximately what percent of the total number of students who appeared for the exam from all cities together?

- (a) 24%
- (b) 18%
- (c) 28%
- (d) 12%

62. The average number of students who qualified in the examination from Kolkata and Delhi is what percent of the average number of students who appeared for the exam from the same cities? (rounded off to 2 digits after decimal)

- (a) 58.61
- (b) 62.58
- (c) 73.91
- (d) 77.96

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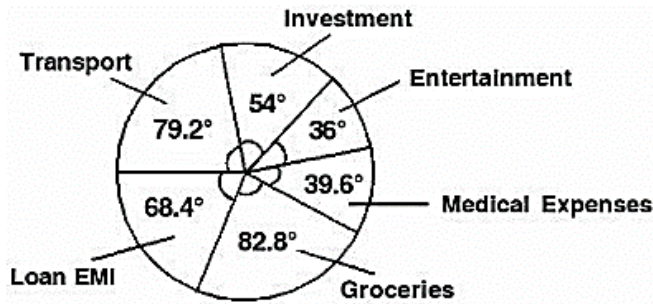
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Directions (Q.63-Q.64): Study the following pie chart carefully and answer the question that follows:
Degree wise Break-up of Expenditure of a Family in a Month:



Total amount spent in a month = ₹ 45,800

63. What is the ratio of the amount spent by the family on medical expenses to the amount spent on groceries?
(a) 1:2 (b) 13:21 (c) 3:5 (d) 11:23
64. What is the total amount spent by the family on Entertainment and Loan EMI together?
(a) ₹ 9,618 (b) ₹ 13,282 (c) ₹ 13,740 (d) ₹ 11,908

Directions (Q.65-Q.66): Study the table given below and answer the question that follows:
Total Number of Faculties in Different Departments of an Institute and Percentage of Females and Males.

Department	Total no. of Faculties	Percentage of Females	Percentage of Males
Computer Science	840	45	55
Mathematics	220	35	65
Physics	900	23	77
Chemistry	360	65	35
Management	450	44	56
Accounts	540	40	60

65. What is the ratio of the number of females in Physics department to the number of females in the Management department?
(a) 22:23 (b) 35:33
(c) 23:22 (d) 33:35
66. What is the total number of males in Computer Science, Mathematics and Chemistry departments together?
(a) 687 (b) 731
(c) 786 (d) 678


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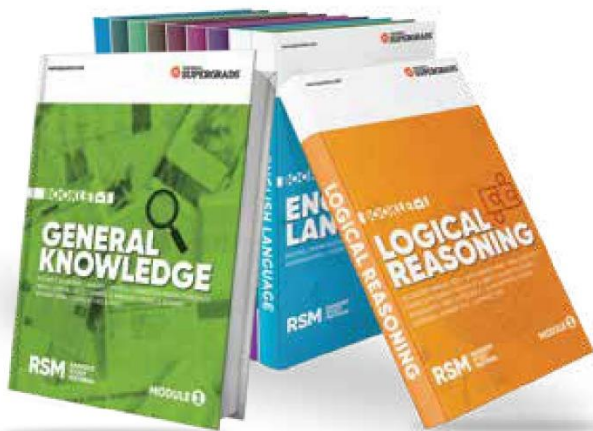
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67. Identify the error in the sentence given below:

- (a) Education is a instrument
- (b) which imparts knowledge and
- (c) therefore indirectly controls power
- (d) and narratives.

68. Pick the antonym of the word ENTREATY

- (a) Immense
- (b) Command
- (c) Request
- (d) Hatred

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69. From the following four alternatives, choose the one that can be substituted for the given words/sentence.

"One who is indifferent to pain or pleasure."

- (a) Eccentric
- (b) Philosopher
- (c) Fatalist
- (d) Stoic

70. In the following question, a sentence has been given in passive voice. Out of the four given alternatives, select the one which best expresses the same sentence in active voice.

"A good deal of money will be made by the investment."

- (a) The investment has made a good deal of money.
- (b) The investment will be making a good deal of money.
- (c) The investment has been making a good deal of money.
- (d) The investment will make a good deal of money.

71. In the following question, a sentence has been given in direct speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in indirect speech.

Pritha said to me, "We have to win this trophy".

- (a) Pritha told me that they have to win that trophy.
- (b) Pritha told me that we had to win that trophy.

- (c) Pritha told me that we have to win that trophy.
- (d) Pritha told me that they had to win that trophy.

72. In the following sentence, find out which part of the sentence has an error and select the appropriate option: "The patient died despite he received the best medical help from the hospital staff."

- (a) The patient died
- (b) despite he had received
- (c) the best medical help
- (d) from the hospital staff.

73. Choose the correct meaning of the phrase idiom from the given options:

Where discipline is concerned, I put my foot down.

- (a) take a firm stand.
- (b) take a light stand.
- (c) take a heavy stand.
- (d) take a shaky stand.

74. Pick the most appropriate punctuation mark for the following sentence.

"What a good man he is _____"

- (a) (.) full stop
- (b) (?) question mark
- (c) (!) exclamation mark
- (d) (:) colon

75. Choose the correct meaning of the underlined word: Students are allowed only one resit.

- (a) to take rest
- (b) to do creative work
- (c) to take an exam again
- (d) to do research on a topic

76. Pick the odd one out from the following options:

- (a) strip of
- (b) strip off
- (c) strip away
- (d) strip against

77. Pick the synonym of the word PROSCRIBE

- (a) Torture
- (b) Forbid
- (c) Progressive
- (d) Elemental

78. Pick the antonym of the word COLOSSAL

- (a) Epic
- (b) Rust
- (c) Tiny
- (d) Vast

79. In the question, the sentence has two blanks: each blank indicating that something has been omitted. Choose the set of words for the blanks which best fits the meaning of the sentence as a whole.

"The _____ of new projects in the energy sector is _____ not only on low cost or profitability of the project but also on sustainability".

- (a) planning, vulnerable
- (b) occurrence, premised
- (c) initiation, dependent
- (d) starting, possible

- 80.** Pick the synonym of the word CALLOUS
(a) Passive (b) Careless
(c) Cursed (d) Insensitive
- 81.** Out of the four alternatives, choose the one that can be substituted for the given words/phrase: "Misappropriation of money."
(a) Robbery (b) Embezzlement
(c) Theft (d) Fraud
- 82.** Choose the correct meaning of the proverb/idiom from the given options:
Not to mince matters
(a) to be at ease
(b) to not confuse others
(c) to not interfere in others' affairs
(d) to speak out plainly
- 83.** Choose the option which best replaces the underlined phrase.
"Happy is the man who acquired the habit of reading when he is young."
(a) who acquires (b) which was acquiring
(c) who acquire (d) who has been acquired
- 84.** Pick the word with the correct spelling:
(a) Lieutenant (b) Lieutenant
(c) Leftinant (d) Leutenant
- 85.** Identify the error in the sentence given below:
(a) After knowing truth
(b) they took the right decision
(c) in the matter
(d) and punished the real culprits.
- 86.** Below are given alternatives to the underlined part of the sentence which may improve the sentence. Choose the correct alternative:
"Some forms of feminisms have been criticised for take into account only white, middle class and college educated perspectives."
(a) to take in (b) for taking into
(c) to take into (d) by take into

Directions (Q.87-Q.91): Read the paragraph and answer the question that follows:

Unlike, (i) Britain, the Indian Constitution has a Bill of Rights. This was a break with the past and the roots of the change lay in the history of the Indian freedom. Prior to the enactment of the Parliamentary Act of 1935, demands were made (ii) India for the incorporation into the Act a Bill of Rights. This demand was rejected by the British Government following its own tradition that freedom was best preserved not by constitutional provisions but by

adherence to the rule of law and to unwritten practices and conventions. This was not (iii) to the Indian mind which had long suffered from discriminations, disabilities and oppressive acts of the foreign rulers. To Indians, as to most modern minds, a Bill of Rights was an essential feature of a complete Constitution. It has been said that "the Indian reaction" (in enacting the Bill of Rights), "like the American reaction, is in large measure a product of the British rule." The Indian Bill of Rights (iv), in a certain measure, the pattern of the Constitution of the United States of America, but it has also borrowed (v) from other Constitutions, and some of its provisions are indicative of the peculiar difficulties of the institutions of the country itself.

- 87.** Pick the most appropriate word to fill (v) in the given passage:
(a) large (b) largest
(c) largely (d) largely
- 88.** Pick the most appropriate word to fill (i) in the given passage:
(a) the (b) in
(c) on (d) with
- 89.** Pick the most appropriate word to fill (iv) in the given passage:
(a) follow (b) follows
(c) followed (d) following
- 90.** Pick the most appropriate word to fill (ii) in the given passage:
(a) on behalf (b) behalf of
(c) on the behalf of (d) on behalf of

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91. Pick the most appropriate word to fill (iii) in the given passage:

- (a) accepted (b) accepting
(c) acceptable (d) acceptably

92. The question below consists of a set of labelled sentences: Out of the four options given below, select the most logical order of the sentences to form a coherent paragraph:

- A. Yet, he is remembered with reverence and affection as a great reformer.
B. People here are generally very open and accept religious and social changes with a positive attitude.
C. For instance, Swami Dayanand Saraswati raised his voice against idol worship in Hindu Dharma.
D. India is a country which respects spirituality much more than materialism.

Choose the **correct** answer from the options given below:

- (a) B, C, D, A (b) A, C, D, B
(c) C, D, A, B (d) D, B, C, A

93. Choose the order of the sentences marked A, B, C, D and E that forms a logical paragraph:

- A. Such an intervention in political reforms in India has got inspiration from the western societies.
B. These organisations have emphasised on an approach towards political democracy that is rooted in the idea of civil society.
C. The ever-widening group of middle class Indians is using NGOs to come face-to-face with India's poorer and working classes, and to plant the idea of rights and liberties across these communities.
D. And while it is still early days here, this trend carries a great deal of promises especially when we consider that the growth of such NGOs has been enabled by a non-partisan middle class with an active interest in political reforms.
E. This bottom-up civil consciousness though not rooted in Indian traditions, yet with non-political and non-partisan agenda, can bring in a new kind of democracy in India.

Choose the **correct** answer from the options given below:

- (a) C, D, A, B, E (b) A, E, B, D, C
(c) B, D, E, A, C (d) E, B, A, D, C

94. In the following question a sentence is divided into four parts (A, B, C and D). Rearrange it in the proper sequence in order to make a meaningful sentence:

- A. or unfair treatment
B. affirmative action is a policy

- C. that tries to make up for past discrimination
D. against certain groups of people

Choose the **correct** answer from the options given below:

- (a) B, C, A, D (b) D, B, A, C
(c) C, D, A, B (d) D, C, B, A

Directions (Q.95-Q.100): Read the paragraph and answer the question that follows:

One of the peculiarities which distinguish the present age is the multiplication of books. Everyday brings new advertisements of literary undertakings, and we are flattered with repeated promises of growing wise on easier terms than our progenitors. How much either happiness or knowledge is advanced by this multitude of authors, is not very easy to decide.

He that teaches us anything which we know not before, is undoubtedly to be loved as a benefactor; and he that supplies life with innocent amusement, will certainly be caressed as a pleasing companion.

But a few of those who fill the world with books, have any pretensions to the hope either of pleasing or instructing. They have often no other task than to lay two books before them out of which they compile a third, without any new materials of their own, and with little application of judgement to those which former authors have supplied.

That all compilations are useless, I do not assert. Particles of science are often widely scattered upon topics very remote from the principal subject, which are often more valuable than formal treatises, and which yet are not known because they are not promised in the title. He that collects those under proper heads is laudably employed; for though he exerts no great abilities in the work, he facilitates the progress of others, and, by making that easy of attainment which is already written, may give some mind more vigorous or more adventurous than his own, leisure for new thoughts and originality of designs.

But the collections poured lately from the press have seldom been made at any great expense of time or inquiry and therefore only serve to distract choice without supplying any real want.

95. Which of the following statements are true about the given passage:

- A. The passage presents a robust picture of the publication industry.
B. The passage presents a bleak condition of publications in the present age.

- C. The main idea of the passage is elaborated through juxtaposition.
- D. The passage is primarily in the present tense with active and occasional passive sentence construction. Choose the **correct** answer from the options given below:

- (a) A and C Only (b) B and D Only
(c) A, C and D Only (d) B, C and D Only

96. Which of the following statements are true about the given passage:

- A. The writer condemns the vanity publications devoid of new ideas.
- B. Though the writer acknowledges the contribution of the genuine writers, he appears to be worried about the prevailing publications.
- C. The writer denigrates and outrightly rejects the compilation works in general.
- D. Instead of being totally against the compilations, the writer opines that such works could be substantially useful, if they are done properly.

Choose the **correct** answer from the options given below:

- (a) A and B Only (b) A and D Only
(c) A, B and D Only (d) B, C and D Only

97. Which of the following terms suitably describe the idea stated in the given passage:

- A. Copyright laws
B. Plagiarism
C. Duplication
D. Innovation

Choose the **correct** answer from the options given below:

- (a) A and B Only (b) B and C Only
(c) A, B and C Only (d) B, C and D Only

98. Match the LIST-I with LIST-II

List -I	List - II
A. The team had won the match.	I. Simple past tense
B. The team won the match.	II. Past continuous tense
C. The team had been winning the match.	III. Past perfect tense
D. The team was winning the match.	Iv. Past perfect continuous tense

Choose the **correct** answer from the options given below:

- (a) A-I, B-II, C-III, D-IV (b) A-II, B-III, C-IV, D-I
(c) A-III, B-I, C-IV, D-II (d) A-IV, B-I, C-II, D-III

99. Match the LIST-I with LIST-II

LIST-I	LIST-II
A. Alias	I. in proportion
B. De jure	II. in the place of something
C. In lieu of	III. as a matter of legal rights
D. Pro rata	IV. second name

Choose the **correct** answer from the options given below:

- (a) A-I, B-II, C-III, D-IV (b) A-IV, B-III, C-II, D-I
(c) A-III, B-II, C-IV, D-I (d) A-IV, B-III, C-I, D-II

100. Match the LIST-I with LIST-II

LIST-I	LIST-II
A. Be at cross purpose	I. secret things
B. Wheels within wheels	II. not understanding each other
C. Wild goose chase	III. without any preparation
D. Off the cuff	IV. foolish effort

Choose the **correct** answer from the options given below:

- (a) A-I, B-II, C-III, D-IV (b) A-I, B-IV, C-III, D-II
(c) A-II, B-I, C-IV, D-III (d) A-IV, B-III, C-II, D-I



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ANSWER KEY AND EXPLANATIONS

QUANTITATIVE ABILITY

- (c) Interest = Amount – Principal
 $8000 - 6000 = 2000$
 $SI = PRT$
 $2000 = \frac{6000 \times R \times 4}{100}$
 $R = \frac{25}{3} \%$
 Now, $I = 700 - 525 = 175$
 $\therefore SI = PRT$
 $\frac{525 \times 25 \times T}{3 \times 100} = 175$
 $T = \frac{7 \times 100}{175} = 4$ Years
 (c) \therefore In 4 years amount 525 will become 700.
- (c) A is 40% less than B $\Rightarrow A = 60\%$ of B
 Also, $C = 40\% (A + B)$
 $A \quad B \quad C$
 $15 \quad 25 \quad 16$
 Now, $\frac{|(A-B)|}{c} \times 100 = \frac{10}{16} \times 100 = 62.5\%$
 $= 62.5\%$
- (d) Let $4.53 - 3.07 = a$
 $3.07 - 2.15 = b$
 $2.15 - 4.53 = c$
 $\therefore \frac{a^2}{bc} + \frac{b^2}{ac} + \frac{c^2}{ab}$
 $\frac{a^3 + b^3 + c^3}{abc}$
 As $a^3 + b^3 + c^3 = 3abc$
 $[\because a + b + c = 0]$
 $= \frac{3abc}{abc} = 3,$
 $= 3$
- (d) Choosing 2 children out of 4 and rest two from (3men & 2 women) combined out of total 9 people.
 $\therefore P(\text{event}) = \frac{4c_2 \times 5c_2}{9c_4} = \frac{6 \times 10}{126} = \frac{10}{21}$
 $= \frac{10}{21}$
- (c) Given:

 - Selling Price (SP_1) = ₹1,965
 - Loss % = 25%

Step 1: Find the Cost Price (CP)
 $Loss \% = \left(\frac{CP - SP}{CP} \right) \times 100$
 Substitute the values:
 $25 = \left(\frac{CP - 1965}{CP} \right) \times 100$
 Divide both sides by 100:
 $0.25 = \frac{CP - 1965}{CP}$
 Multiply both sides by CP:
 $0.25 \times CP = CP - 1965$

- $0.25CP - CP = -1965$
 $-0.75CP = -1965$
 $CP = 1965 / 0.75$
 $CP = ₹2,620$
Step 2: Find the Profit % when Selling Price is ₹3,013
 $Profit \% = ((SP - CP) / CP) \times 100$
 $= ((3013 - 2620) / 2620) \times 100$
 $= (393 / 2620) \times 100$
 $= 15\%$
Final Answer: Profit % = 15%


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- (a) Taking $2 = a$
 $\sqrt{2 + \sqrt{2 + \sqrt{3}}} = b$
 $\sqrt{2 + \sqrt{3}} \times \sqrt{2 + \sqrt{2 + \sqrt{3}}} \times \sqrt{a + b} \times \sqrt{a - b}$
 $\sqrt{2 + \sqrt{3}} \times \sqrt{2 + \sqrt{2 + \sqrt{3}}} \times \sqrt{4 - 2 - \sqrt{2 + \sqrt{3}}}$
 $\sqrt{2 + \sqrt{3}} \times \sqrt{2 + \sqrt{2 + \sqrt{3}}} \times \sqrt{2 - \sqrt{2 + \sqrt{3}}}$
 Let $c = 2$
 $d = \sqrt{2 + \sqrt{3}},$
 $\sqrt{2 + \sqrt{3}} \times \sqrt{c + d}, \times \sqrt{c - d}$
 $\sqrt{2 + \sqrt{3}} \times \sqrt{4 - 2 - \sqrt{3}}$
 $\sqrt{2 + \sqrt{3}} \times \sqrt{2 - \sqrt{3}}$
 $\sqrt{4 - 3} = 1$
 $= 1$
- (d) $A = \frac{60}{100} \times 264 = \frac{792}{5} = 158.4$

$$B = \frac{60}{100} \times \frac{28}{100} \times 240 = 40.32$$

$$C = \frac{85}{100} \times 485.5 = 412.675$$

$$D = \frac{550}{100} \times 250 = 1375$$

$$I : \frac{20}{100} \times 6875 = 1375$$

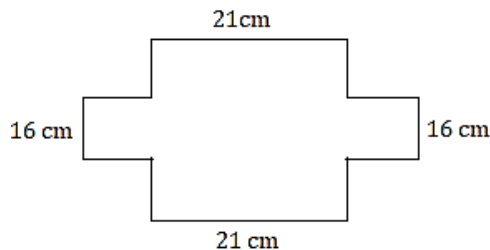
$$II : \frac{50}{100} \times 825.35 = 412.675$$

$$III : \frac{15}{100} \times 1056 = 158.4$$

$$IV : \frac{8.4}{100} \times 480 = 40.32$$

Option D: A- III ; B - IV; C-II ; D-I

8. (b)



Dimension of cuboid of box

L= 21 cm, B = 16 cm, H = 2 cm

Volume = LBH = 21 × 16 × 2

672 cm³

9. (a) Given:

- 40 men can complete the work in 48 days.
- So, total work = 40 × 48 = **1920 man-days**

Now:

- 64 men worked for **x days**
- Then, 32 more men joined → total men = 64 + 32 = **96 men**
- They completed the remaining work in **16 2/3 days = 50/3 days**

We need to find the value of **x**.

Work = men × days = 64 × x = **64x man-days**

Work done in next 50/3 days by 96 men

Work = 96 × (50/3) = (96 × 50) / 3 = **1600 man-days**

Total work = Work done in both phases

So,

$$64x + 1600 = 1920$$

$$64x = 1920 - 1600 = 320$$

$$x = 320 / 64 = 5$$

Final Answer: x = 5 days

10. (c) To form a three-digit even number, the last digit must be even. From the digits {1, 2, 3, 4, 5}, the even digits are 2 and 4.

Case 1: Last digit is 2

- Remaining digits: {1, 3, 4, 5} → choose 2 for the first two digits
 - Number of ways: 4×3=124 \times 3 = 124×3=12
 - Case 2: Last digit is 4
 - Remaining digits: {1, 2, 3, 5} → choose 2 for the first two digits
 - Number of ways: 4×3=124 \times 3 = 124×3=12
- Total = 12 + 12 = 24
Answer: 24

11. (a) It's a word problem case of LCM where remainder are same

$$\therefore \text{LCM} = (8, 12, 20, 28, 35) + 5$$

$$8 = 2^3$$

$$12 = 2^2 \times 3^1$$

$$20 = 2^2 \times 5^1$$

$$28 = 2^2 \times 7^1$$

$$35 = 5^1 \times 7^1$$

$$\text{LCM} = 2^3 \times 3^1 \times 5^1 \times 7^1$$

$$= 840$$

$$\text{As } 840 + 5 = 845$$

$$\text{Sum of digit} = 8 + 4 + 5 = 17$$

12. (b) As the amount remain same and we want Avg. cost of petrol per liter.

$$\text{We can use Avg. formula} = \frac{3abc}{ab+bc+ac}$$

Where a,b,c are cost of petrol n these years

$$\frac{3 \times 17 \times 19 \times 20}{(17 \times 19) + (19 \times 20) + (20 \times 17)} = \frac{3 \times 17 \times 19 \times 20}{323 + 380 + 340}$$

$$= \frac{3 \times 17 \times 19 \times 20}{1043} = 18.58 \text{ Rs}$$

$$= 18.58$$

13. (d) As cost of fencing will be directly proportional to perimeter of square and percentage.

Perimeter of triangle = perimeter of square


$$\text{Area of triangle} = \frac{\sqrt{3}}{4} a^2 = 16\sqrt{3}$$

$$A = 8\text{cm}$$

Perimeter = 24 cm = perimeter of square park

$$\text{Sid of square} = \frac{24}{4} = 6\text{ cm}$$

$$\text{Diagonal of square} = \text{side } \sqrt{2} = 6\sqrt{2}\text{ cm}$$


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14. (c) $A(\text{Truth}) = \frac{75}{100} = \frac{3}{4}$
 $\bar{A}(\text{Lie}) = \frac{1}{4}$
 $B(\text{Truth}) = \frac{80}{100} = \frac{4}{5}$
 $\bar{B}(\text{Lie}) = \frac{20}{100} = \frac{1}{5}$
 Contradiction happens in two cases:
 1. A tells the truth, B lies
 2. A lies, B tells the truth
 $P(\text{event}) = A\bar{B} + \bar{A}B$
 $\frac{3}{4} \times \frac{1}{5} + \frac{1}{4} \times \frac{4}{5} = \frac{3}{20} + \frac{4}{20} = \frac{7}{20}$
 $P\% \text{ of event} = \frac{7}{20} \times 100 = 35\%$
 35%

15. (c) Numbers are: $\frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \frac{5}{6}$
 After changes: $\frac{7}{8}, \frac{8}{9}, \frac{9}{10}, \frac{10}{11}$
 As keeping the same difference of one if number gets change where both numerator and denominator gets large the number increase its value.
 Eq, $\frac{1}{2} < \frac{2}{3} < \frac{3}{4} < \dots < \frac{9}{10} < \frac{10}{11}$
 As value gets large the difference will get smaller.
 $\frac{10}{11} - \frac{5}{6} < \frac{9}{10} - \frac{4}{5} < \frac{8}{9} - \frac{3}{4} < \frac{7}{8} - \frac{2}{3}$
 Option (c) $D < C < B < A$

16. (c) $a + b = 2c$
 Use the given condition:
 $a + b = 2c$
 $\Rightarrow b = 2c - a$
 Substitute into the expression:
 $a / (a - c) + b / (b - c)$
 $= a / (a - c) + (2c - a) / ((2c - a) - c)$
 $= a / (a - c) + (2c - a) / (c - a)$
 Now note that:
 $c - a = -(a - c)$, so:

$$\begin{aligned}
 &= a / (a - c) - (2c - a) / (a - c) \\
 &= [a - (2c - a)] / (a - c) \\
 &= (a - 2c + a) / (a - c) \\
 &= (2a - 2c) / (a - c) \\
 &= 2 \times (a - c) / (a - c) \\
 &= 2
 \end{aligned}$$

17. (d) $A = \frac{4}{5} \times B$
 $\frac{A}{B} = \frac{4}{5}$
 $B = \frac{2}{3} \times C$
 $\frac{B}{C} = \frac{2}{3}$

A	B	C
8	10	15

 Total = 8 + 10 + 15 = 33
 $C - A = 7$
 $\frac{7}{33} \times 11550 = 2,450$

18. (d) A) $2^x = 3^y = 6^{-z} = t$
 $2 = t^{\frac{1}{x}}, 3 = t^{\frac{1}{y}}, 6 = t^{-\frac{1}{z}}$
 $2 \times 3 = 6$
 $t^{\frac{1}{x}} \times t^{\frac{1}{y}} = t^{-\frac{1}{z}}$
 $t^{\frac{1}{x} + \frac{1}{y}} = t^{-\frac{1}{z}}$
 $\frac{1}{x} + \frac{1}{y} = -\frac{1}{z}$
 $\frac{1}{x} + \frac{1}{y} + \frac{1}{z} = 0$
 B) $(243)^{0.16} \times (9)^{0.1} = 0.3$
 Express number as a power of
 $243 = 3^5$
 $9 = 3^2$
 $(3^5)^{0.16} \times (3^2)^{0.1} = 0.3^1$
 $3^{0.8} \times 3^{0.2} = 0.3^1$
 $3^1 \neq 0.3^1$
 C) $3.105 \times 10^p = 0.003105$
 $3.105 \times 10^p = 3.105 \times 10^{-3}$
 $P = -3$
 (d) A and C only

19. (c) A) As formula for Curved surface area of cylinder = $2\pi rh$
 directly proportional to height
 \therefore doubled the height, double the CSA will get
 Hence, True
 B) As, formula for TSA of Hemisphere is $3\pi r^2$
 TSA of Hemisphere is square of radius
 \therefore doubled the Radius, Four fold the TSA
 Hence, true
 C) hemisphere and cone have equal bases and equal heights

So, radius & height are equal for cone & Hemisphere

$$r = h$$

$$\frac{\text{CSA of Hemisphere}}{\text{CSA of Cone}} = \frac{2}{l} = \frac{2r}{l} = \frac{2r}{r\sqrt{2}}$$

$$l = \sqrt{r^2 + l^2}$$

$$= r\sqrt{2}$$

$$= \sqrt{2}: 1$$

Therefore, not true

Ans. A & B only

20. (b) As proved,

volume of sphere = volume of cylinder

$$\frac{4}{3}\pi R^3 = \pi r^2 h$$

$$\frac{4}{3} \times 21 \times 21 \times 21 = r^2 \times 28$$

$$r = 21 \text{ cm}$$

$$\frac{\text{TSA of cylindrical rod}}{\text{TSA of sphere}} \Rightarrow \frac{2\pi r(r+h)}{2\pi r^2} \Rightarrow \frac{21(49)}{2 \times 21 \times 21} = \frac{7}{6}$$

Ans, B: 7: 6

21. (d) Arranging data in ascending order.

8,9,13,13,14,14,14,14,15,15,16,16,17,17

$$\text{Median (odd)} \Rightarrow \left(\frac{n+1}{2}\right)^{\text{th}} \text{ term} = \left(\frac{15+1}{2}\right)^{\text{th}} =$$

8th Term

$$\text{Median (x)} \Rightarrow 14 = x$$

If 8 will be replaced by 18

New Series will be

9,13,13,14,14,14,14,15,15,15,16,16,17,17,18

$$\text{Median (y)} = 15 = y$$

$$\text{Sum of } x + y = 14 + 15 = 29$$

Ans (d) 29,

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22. (b) As Amir made mistake in writing constant term wrong The product of roots can be wrong but sum of root will be correct and sum is coefficient of x

$$\therefore x + \beta = 4 + 3 = 7$$

Similarly, As Alok made mistake in writing down coefficient of x wrong. Sum of root will be wrong but product must be right.

$$\therefore \alpha\beta = 3 \times 2 = 6$$

Required eqⁿ: x² - (sum of mistake)ⁿ + product of marks = 0

$$x^2 - 7x + 6 = 0$$

$$X = 1, 6$$

23. (d) Given:

- A = 3:4 (Cu:Zn), B = 5:9 (Cu:Zn)

- Mix A:B = 2:3

1. Alloy A (2 units):

$$\text{Cu} = \left(\frac{3}{7} \times 2 = \frac{6}{7}\right), \text{Zn} = \left(\frac{4}{7} \times 2 = \frac{8}{7}\right)$$

2. Alloy B (3 units):

$$\text{Cu} = \left(\frac{5}{14} \times 3 = \frac{15}{14}\right), \text{Zn} = \left(\frac{9}{14} \times 3 = \frac{27}{14}\right)$$

Total in C:

$$\text{Cu} = \left(\frac{6}{7} + \frac{15}{14} = \frac{27}{14}\right), \text{Zn} = \left(\frac{8}{7} + \frac{27}{14} = \frac{43}{14}\right)$$

Final ratio:

$$(\text{Cu:Zn}) = \frac{27}{14} : \frac{43}{14} = 27 : 43$$

Ans. (d) 27: 43

24. (c) $\frac{\sin \theta + \cos \theta}{\sin \theta - \cos \theta} = 3$

Divide Numerator and Denominator by cos θ

$$\frac{\tan \theta + 1}{\tan \theta - 1} = 3$$

$$\tan \theta + 1 = 3 \tan \theta - 3$$

$$4 = 2 \tan \theta$$

$$\tan \theta = 2$$

$$\sin^4 \theta - \cos^4 \theta$$

$$(\sin^2 \theta + \cos^2 \theta)(\sin^2 \theta - \cos^2 \theta)$$

$$1 \left(\frac{4}{5} - \frac{1}{5}\right) = \frac{3}{5}$$

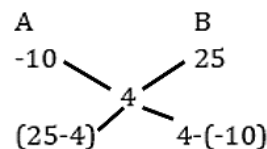
$$(c) \frac{3}{5}$$

25. (a) $(999 \times 6) + \left(\frac{1}{7} + \frac{2}{7} + \frac{3}{7} + \frac{4}{7} + \frac{5}{7} + \frac{6}{7}\right)$

$$5994 + 3 = 5997$$

$$= 5997$$

26. (b)



∴ Ratio of cp A: B = 3: 2

A is 200 more than B

$$\therefore B = 2 \times 200 = 400$$

$$= \text{Ans. } 400$$

27. (d) x³ + y³ = 468 and x + y = 12

$$x^3 + y^3 = (x + y)[(x + y)^2 - 3xy] = 468$$

$$[144 - 3xy] = 39$$

$$3xy = 144 - 39 = 105$$

$$xy = 35$$

$$x^4 + y^4 = (x^2 + y^2)^2 - 2x^2 y^2$$

$$[(x + y)^2 - 2xy]^2 - 2(xy)^2$$

$$[144 - 70]^2 - 2(35)^2$$

$$(74)^2 - 2450$$

$$5476 - 2450$$

$$= 3026$$

28. (c) $\frac{P}{R} = \frac{2}{3}$ and $\frac{Q}{S} = \frac{1}{2}$
 $P = 2x, R = 3x; Q = y, S = 2y$
 $Y + 140 = 2x; \text{ Also, } 2y + 80 = 3x$
 $\therefore 2x - y = 140$
 $3x - 2y = 80 \dots (1)$
 $Y = 2x - 140 \dots (2)$
 Put 2 in 1
 $3x - 2(2x - 140) = 80$
 $3x - 4x + 280 = 80$
 $-x = -200$
 $x = 200,$
 $y = 400 - 140 = 260$
 $\therefore \text{ value of Income of } P, Q, R, S$
 $400, 260, 600, 520$
 Ans. ₹400, ₹260, ₹600, ₹520

29. (b) 10% pa for $\frac{1}{2}$ year . is 5% semi annually
 $8 \text{ CI}_3 - \text{SI}_3 = P \times \left(\frac{R}{100}\right)^2 \times \left(3 + \frac{R}{100}\right) = 183$
 $P \times \left(\frac{1}{20}\right)^2 \times \left(3 + \frac{1}{20}\right) = 183$
 $P \times \left(\frac{1}{20}\right)^2 \times \left(3 + \frac{1}{20}\right) = 183$
 $P \times \frac{1}{400} \times \frac{61}{20} = 183$
 $P = 24000$

30. (b) LCM (48, 72, 108)
 $48 = 2^4 \times 3^1$
 $72 = 2^3 \times 3^2$
 $108 = 2^2 \times 3^3$
 $\text{LCM} = 2^4 \times 3^3 = 432 \text{ Second}$
 $= 7 \text{ min } 12 \text{ secs.}$

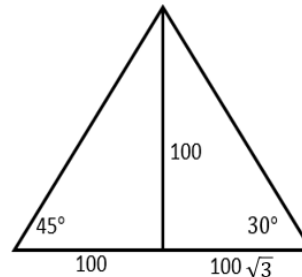
- (b) 8: 20 : 00 + 00: 07: 12 = 8: 27: 12 Hour
 31. (d) $2^{122} + 4^{62} + 8^{42} + 4^{64} + 2^{130}$
 $2^{122} + 2^{124} + 2^{126} + 2^{128} + 2^{130}$
 $2^{122} (1 + 2^2 + 2^4 + 2^6 + 2^8)$
 $2^{122} (1 + 4 + 16 + 64 + 256)$
 $2^{122} \times 341 \Rightarrow 2^{122} \times 11 \times 31$
 Ans. 11

32. (d) a. perimeter of square = 4 x side = $4 \times \sqrt{36} = 4 \times 6 = 24 \text{ cm}$
 b. perimeter of triangle = $9 \times 3 = 27 \text{ cm}$

- c. perimeter of rectangle = $2(x + 6) = 2(10 + 4) = 28 \text{ cm}$
 d. perimeter of circle = $2\pi r = 2 \times \frac{22}{7} \times 4 = \frac{176}{7} = 25.14 \text{ cm}$

(d) $C > B > D > A$

33. (c)



Given:
 Height of lighthouse, $h = 100 \text{ m}$
 Angles of elevation from ships = 30° and 45°
 Let the distances of the two ships from the base of the lighthouse be x and y .

Using $\tan \theta = \frac{\text{opposite}}{\text{adjacent}}$

For 30° ship:
 $\tan 30^\circ = h / x$
 $\Rightarrow 1/\sqrt{3} = 100 / x$
 $\Rightarrow x = 100\sqrt{3} \approx 173.21$

For 45° ship:
 $\tan 45^\circ = h / y$
 $\Rightarrow 1 = 100 / y$
 $\Rightarrow y = 100$

Distance between ships :
 $x + y = 173.21 + 100 = 273.21 \text{ m} = 273 \text{ (approx.)}$
 therefore, option C is correct .

LOGICAL REASONING

34. (c) According to dictionary:-
 C. Sausage, B. Savage, A. Saviour, D. Savour
 So option (c) is the correct answer.
 35. (d) A.) Doctor: Diagnosis vs Judge: Court → mismatch (profession: action vs profession: place). Incorrect.
 B)..Bouquet: Flowers vs Sentence: Words → both collections. Correct.
 C) Thermometer: Temperature vs Hygrometer: Density → incorrect, Hygrometer measures humidity.
 D.) Tree: Sapling vs Horse: Foal → both young forms. Correct.
 Answer: B and D only → (d).

36. **(d)** Here it is given that Sushma and Vimla are friends, and Ved's wife does not like Vimla and Sushma it means Vimla and Sushma are not the wife of Ved and Kusum does not care for Ved so Poonam is the wife of Ved. Prem's wife is friendly with Sushma it means Prem's wife is Vimla. Sushma does not like Raj that means Sushma is the wife of Ashok and the last couple is Raj and Kusum.

These we can conclude that (A), (B), (c) are correct.
Option (d) is correct.

37. **(c)** Options (c) is a correct one.

The meaningful order of the words is:-

Jungle, Timber, Pulp, Paper Book.

This order reflects the process of how a book is made starting with trees in a jungle, which are then turned into timber, then pulp, then paper, and finally into a books.

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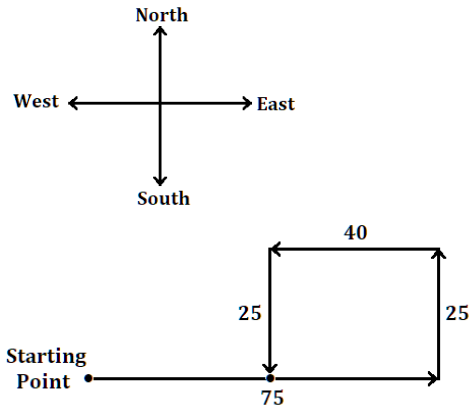
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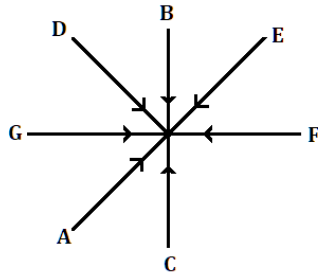
38. (c) By following this compass



⇒ from the starting point he is 35 m away.
Options (c) is correct.

39. (d) Clues:

- C left of F.
- G second left of C.
- A third left of E.
- B between D and E.



So option (d) is correct.

40. (c) ⇒ Total smaller cubes 27

⇒ $n^3 = 27$

$n^3 = 3^3$

$n = 3$

⇒ for 1 surface painted cube = $6 \times (n-2)^2$

= $6 \times (3-2)^2$ **[6]**

⇒ for 2 surface painted cube = $12 \times (n-2)$

= $12 \times (3-2)$

= **[12]**

⇒ for 3 surface painted cube = **[8]** → always

⇒ for 0 surface painted cube = $(n-2)^3$

= $(3-2)^3$

= **[1]**

Therefore (A) (B) (D) option (c) is correct one.

41. (c) Here the logic is -2 +2 starting from left.

SLOPPY →

$S(19)-2=Q$, $L(12)+2=N$, $O(15)-2=M$, $P(16)+2=R$,

$P(16)-2=N$, $Y(25)+2=A$.

Result: QNMRNA.

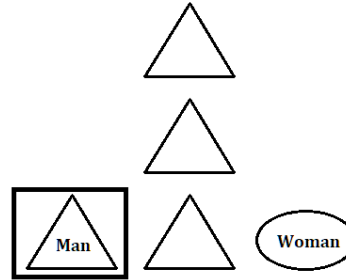
So we will get QNMRNA for the word SLOPPY.

Option (c) is the correct one.

42. (c) 'His brother's father' = man's father.

= woman's grandfather's only son = woman's father.

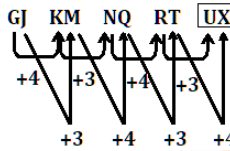
So man and woman share father → siblings.



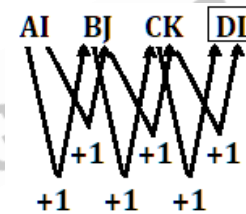
Here, we can see the relation between woman and the man they are brother and sister.

Option (c) is correct.

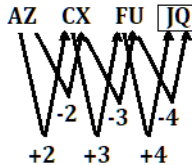
43. (d) (A)



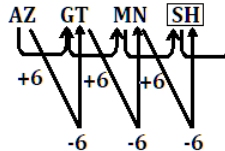
(B)



(c)



(D)

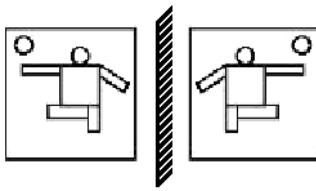


44. (b) While Wheat, mustard and rice are grown as crops, peas are a legume. They are not typically considered crops.

45. (d) Mirror-image problems require reflecting the figure across a vertical axis (a typical mirror placed to the right of the page) and checking which option matches the reflected orientation.

Check the pictured figure and track the relative positions of distinctive marks (for example arrowheads, open/filled ends, or notches).

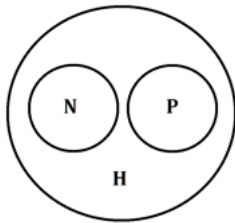
The correct reflection corresponds to option (d).



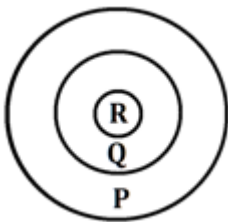
Note for students: When solving on paper, fold the figure mentally along a vertical line and imagine where each part will move (left↔right).

So option (d) is correct.

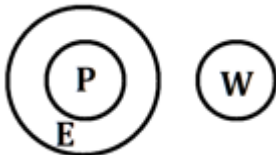
46. (c) (A) Hospital, Nurse, Patient →



(B) Polygons, Quadrilaterals, Rhombus →



(C) Engine, Piston, Wheel →



(D) Colour, Cloth, Merchant →



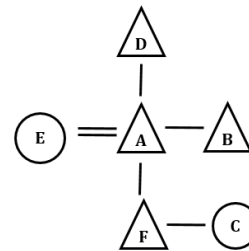
So option (c) is correct.

47. (b) is the correct answer

- From 'D is father of A and grandfather of F' we know: D is male and A is child of D; further, A is parent of F (because D is grandfather of F), so A is the father/mother of F.
- 'C is sister of F' tells us C is female and a child of A (since A is parent of F and siblings share parents). So children of A include C and F.
- 'B is the brother of E's husband' implies E has a husband (male), and B is male and sibling of that husband.

- The statement "there are two fathers" means: D is one father. The other father is A (since A is a parent of F and sibling-parent structure implies A is the father).
- Thus A must be male (husband) — so A is the husband of E. That makes E the mother (A's wife and parent of C and F).
- Count male members: D (male), A (male), B (male), F (male) → 4 males. So statement C is true.
- Is D the father of F? No — D is grandfather of F, so D is not F's father; statement D is false.

Conclusion: A (E is mother), B (A is husband of E), and C (four male members) are true; D is false.



This is the family tree of the given data
So, (b) is the correct.

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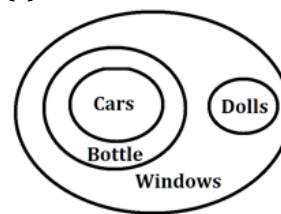
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48. (c)



(I) :- True [✓]

(II) :- False [×] - . Conclusion II ('Some cars are dolls') requires overlap between cars and dolls — no such relation is given, so II is not necessarily true.

(III) :- True [✓]

So (c) is correct.

49. (d) evaluate option (d):

Option (d) original expression: $6 \div 20 \times 12 + 7 - 1 = 70$

Substitute operators per mapping:

$\div \rightarrow$ subtraction, $\times \rightarrow$ addition, $+$ \rightarrow multiplication, $- \rightarrow$ division.

So expression becomes

$$: 6 - 20 + 12 \times 7 \div 1$$

Compute with normal precedence (\times and \div before $+$ / $-$):

$$12 \times 7 = 84$$

$$84 \div 1 = 84$$

$$\text{Now left with: } 6 - 20 + 84 = (6 - 20) + 84 = -14 + 84 = 70$$

Hence option (d) is correct.

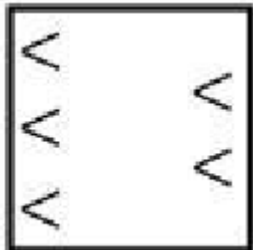
50. (b) is the correct answer

1. Study successive figures: identify moving elements (e.g., one arrow rotating or toggling direction per step).

2. The pattern shows only one arrow turning in each step while others remain stable; tracking the moving arrow's direction and position predicts the next orientation.

3. The figure that matches that predicted rotation is option (b).

We can see here only one arrow is turning so is the next part we will see



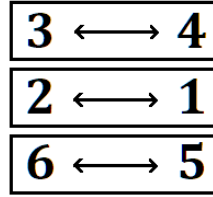
So option (b) is correct.

51. (b) 1) Use the given dice views (from the question figures) to note adjacency and opposite relations. Opposite faces never appear together in the same view; adjacent faces do.

2) From the presented positions (figures 1 and 4 in particular) we can deduce that 3 is adjacent to certain numbers and opposite to 4.

By using 1st and 4th figure.....

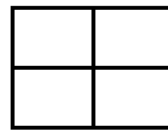
We can see.



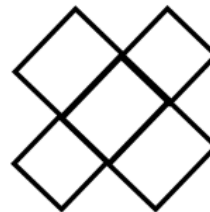
So option (b) is correct.

52. (c) Break the given compound figure into simpler regions (e.g., grids or sub-rectangles). Count rectangles and squares in each part, then add, ensuring not to double-count shapes that cross the boundary between parts.

- We can split the diagram into two parts as follows
Part 1:



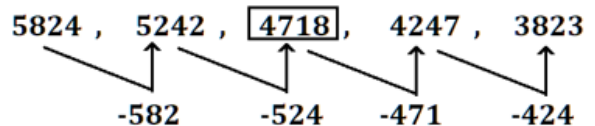
Part 2:



Now, we can easily find that part 1 has I quadrilateral and part 2 has II quadrilateral. Altogether 20 quadrilateral are there (Which are either square or rectangle).

Hence, option (c) is correct.

53. (b)



The first 3 digit is subtracting from the number.

So option (b) is correct.

54. (d) (A):- $5 \times 3 \times 4 \times 2 = \frac{120}{10} = 12$, $5 \times 6 \times 2 \times 3 = \frac{180}{10} = 18$, $5 \times 2 \times 2 \times 9 = \frac{180}{10} = 18$

(B):- $(5 \times 2) + (3 \times 1)$, $(6 \times 4) + (1 \times 5)$, $(4 \times 3) + (1 + 5) = 13 = 29 = 17$

(C):- $15 - 8 = 7$, $9 - 5 = 4$, $10 - 8 = 2$, $8 - 6 = 2$, $6 - 4 = 2$

$11 - 8 = 3$

(D):- $(7 \times 4) - (5 \times 3)$, $(8 \times 4) - (9 \times 3)$, $(9 \times 3) - (8 \times 3)$

$\Rightarrow 13 \Rightarrow 5 \Rightarrow \boxed{12}$

So option (d) is correct.

55. (c) The analogy uses synonyms to relate the pairs. "Genuine and authentic" both mean truly what something is said to be.

Similarly,

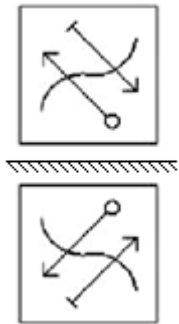
"Mirage and illusion" both refer to an optical phenomenon or something that appears to be these but isn't.

So option (c) is correct.

56. (c) Interpretation: A water image is the reflection of the figure across a horizontal axis (as though the figure sits on water).

Method: For each distinctive element of the original figure, flip it vertically: top becomes bottom and bottom becomes top while left/right remain same.

Check the options by applying that vertical flip to the original figure — option (c) matches all elements in their flipped positions and orientations.

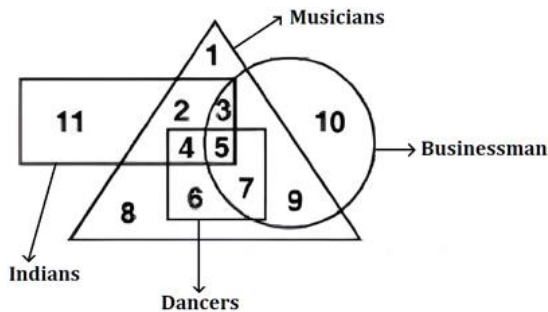


So option (c) is correct.

57. (d) Translate the region description: "neither a dancer nor a musician" means outside square and triangle; "businessman" means inside circle; "not an Indian" means outside rectangle.

So we need the region that lies inside the circle only (circle but not square/triangle/rectangle).

From the labelled Venn diagram in the question the index placed inside circle only (and outside all others) is 10.



So only 10 is a perfect answer for this situations.

So options (d) is correct.

58. (b) Observe mapping: DRIVER has 6 letters \rightarrow value 12; ACCIDENT 8 letters \rightarrow value 16; PEDESTRIAN 10 letters \rightarrow value 20.

So the rule is: value = $2 \times$ (number of letters in the word).

CAR has 3 letters \Rightarrow value = $2 \times 3 = 6$.

So options (b) is correct.

59. (d) Model the watch's error as changing uniformly with time.

At 1 p.m. Tuesday the watch reads actual_time - 1 minute (i.e., 1 minute slow).

At 1 p.m. Thursday (48 hours later) the watch is +2 minutes (2 minutes fast).

Total change in error over 48 hours = from -1 minute to +2 minutes = +3 minutes (an increase of 3 minutes).

So rate of change = 3 minutes / 48 hours = 1 minute per 16 hours.

\Rightarrow 1 PM Tuesday = 1 min (-)

1 PM Tuesday = 2 min (+)

48 Hours = 3 min

\Rightarrow 16 Hours = 1 min

Starting at 1 p.m. Tuesday, after 16 hours the error increases by 1 minute, so it goes from -1 to 0 (i.e., shows correct time) after 16 hours.

1 p.m. Tuesday + 16 hours = 5 a.m. on Wednesday.

Therefore the watch showed correct time at 5:00 a.m. Wednesday.

So option (d) is correct.

60. (a) Avg of appearing students = $\frac{3000+2250+3250+2500+3000}{5} = \frac{14000}{5} = 2800$

Avg of Qualified students = $\frac{1750+1250+2250+2000+2000}{5} = \frac{9250}{5} = 1850$

Difference = 2800 - 1850 = 950

Correct answer is option (a).

61. (b) Appeared form Delhi = 2500

Appeared across all centers = 14000

$P\% = \frac{2500}{14000} \times 100 \Rightarrow 17.8\% = 18\%$

Correct answer is option (b).

62. (c) Qualified (K + D) = $\frac{2250+2000}{2} = 2125$

Avg appeared (K + D) = $\frac{3250+2500}{2} = 2875$

$\frac{2125}{2875} \times 100 = 73.91\%$

63. (d) $\frac{\text{Medical Expenses}}{\text{Groceries}}$

$\Rightarrow \frac{39.6}{82.8}$

$$\Rightarrow \frac{396}{828}$$

$$= \frac{11}{23}$$

64. (b) Total angle = 360°

Entertainment = 36°

Loan EMI = 68.4

Entertainment + Loan EMI = 104.4

$$= \frac{104.4}{360} \times \text{Total expenditure (45,800)}$$

$$= 0.29 \times 45800$$

$$= 13,282$$

65. (c) $\frac{\frac{23}{100} \times 900}{\frac{44}{100} \times 450} = \frac{23 \times 2}{44} \Rightarrow 23:22$

66. (b) Males (CS + M + C)

$$\Rightarrow \frac{55}{100} \times 840 + \frac{65}{100} \times 220 + \frac{35}{100} \times 360$$

$$462 + 143 + 126$$

$$\Rightarrow 731$$

67. (a) "A instrument" is grammatically incorrect. The article "a" should be followed by a word starting with a consonant sound. "Instrument" starts with a vowel sound, so it should be "an instrument".

Incorrect Options:

(b) No error; correct relative clause.

(c) Grammatically fine; logical continuation.

(d) No structural or grammatical issue.

68. (b) **Detailed Explanation:**

The word entreaty is a noun that means a humble or earnest request. It conveys the sense of asking or pleading with respect or sincerity. For example, "The student's entreaty for more time was granted by the teacher."

To find the antonym, we look for a word that expresses the opposite of a humble request. The opposite of requesting politely is giving an authoritative order. The word command means an order given with authority or power, and therefore stands as the direct opposite of entreaty.

Meaning comparison:

Entreaty – a humble or earnest request.

Command – an authoritative order or instruction.

Thus, command is the antonym of entreaty because one reflects humility and pleading, while the other reflects authority and power.

Incorrect options:

(a) Immense – means huge or vast; unrelated in meaning.

(c) Request – means to ask for something; this is actually a synonym, not an antonym.

(d) Hatred – means intense dislike; emotionally unrelated to the idea of pleading or commanding.

Conclusion:

Entreaty means a humble request, and its opposite in meaning is command, which implies authority and demand.

69. (d) A "stoic" is someone who endures pain or pleasure without showing emotion — exactly matching the definition.

Incorrect Options:

(a) "Eccentric" means unconventional, not indifferent.

(b) "Philosopher" may reflect on life but isn't necessarily indifferent.

(c) "Fatalist" believes in fate, not emotional indifference.

70. (d) The given sentence is in the passive voice, where the focus is on the receiver of the action ("a good deal of money").

In the active voice, the subject of the action ("the investment") must come first, and the verb must be converted to its active form.

Passive form: will be made by the investment

Active form: the investment will make

Thus, the correct active voice sentence is "The investment will make a good deal of money."

Why Option (d) is Correct:

It keeps the same future tense ("will") and uses the correct active structure — Subject + will + base verb + object.

Why Others are Incorrect:

(a) has made changes the tense to present perfect.

(b) will be making uses an incorrect progressive form not required here.

(c) has been making changes both tense and aspect, altering the meaning.

Correct Answer: (d) The investment will make a good deal of money.

71. (d) (a) Pritha told me that they have to win that trophy.

Incorrect: The tense is wrong. "have to" should be changed to the past tense "had to".

(b) Pritha told me that we had to win that trophy.

Incorrect: The pronoun is wrong. "We" incorrectly includes the listener ("me"). It should be changed to "they".

(c) Pritha told me that we have to win that trophy.

Incorrect: This option makes two errors. The pronoun "we" is wrong, and the tense "have to" has not been changed to the past.

(d) Pritha told me that they had to win that trophy.

Correct: This option correctly changes the pronoun ("we" → "they"), the tense ("have to" → "had to"), and the demonstrative adjective ("this" → "that").

The answer key is accurate. The best expression of the sentence in indirect speech is (d) Pritha told me that they had to win that trophy.

72. (b) "Despite" should be followed by a noun or gerund, or the clause should be "despite the fact that he had received...". The correct clause is "despite having received" or "though he had received".

Incorrect Options:

(a), (c), (d): No grammatical errors.


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73. (a) "Put my foot down" means to assert authority or take a firm stand.

Incorrect Options:

(b), (c), (d): Not idiomatic or meaningful in this context.

74. (c) The sentence is an exclamatory statement expressing strong feeling, so an exclamation mark is required.

Incorrect options:

(a) Full stop is for declarative sentences, not exclamations.

(b) Question mark is for questions.

(d) Colon is for lists or explanations.

75. (c) The word resit is a formal academic term meaning to take an examination again, usually after failing or missing it the first time.

Example: If you fail the maths paper, you can resit it next semester.

Incorrect Options:

(a) to take rest – unrelated; "resit" is not connected to resting.

(b) to do creative work – irrelevant in this context.

(d) to do research on a topic – "research" has a different meaning; not linked to exams.

Correct Answer: (c) to take an exam again

76. (d) "Strip against" is not a standard phrasal verb. The others are valid: strip of (deprive), strip off (remove clothing), strip away (remove layers).

Incorrect options:

(a), (b), (c): These are common phrasal verbs.

77. (b) **Detailed Explanation:**

The word proscribe means to forbid, ban, or prohibit something officially, especially through law or authority. It is often used in formal or legal contexts.

Example: "The government proscribed the sale of illegal drugs."

Correct Option:

(b) Forbid shares the same meaning — to order that something must not be done. Both words express official prevention or legal prohibition, making it the most accurate synonym.

Incorrect Options:

(a) Torture means to inflict pain; unrelated to banning or prohibiting.

(c) Progressive means forward-thinking or modern; unrelated in sense.

(d) Elemental means basic or fundamental; not connected to the idea of prohibition.

Summary:

Proscribe and Forbid both mean to officially prevent or disallow something, hence option (b) is correct.

78. (c) The adjective colossal means extremely large, massive or of great magnitude.

Cambridge Dictionary

Because it emphasizes size or extent that is far above the ordinary, the correct antonym must express the opposite meaning — that is, something very small or minute. The word tiny meets this requirement, since it denotes something very small in size or amount.

The other options are not correct because:

(a) Epic also suggests something of grand scale, similar to "colossal."

(b) Rust refers to corrosion, which is unrelated to size or magnitude.

(d) Vast means very large or extensive, making it essentially a synonym of "colossal" rather than an antonym.

Hence (c) Tiny is the most appropriate antonym of colossal.

79. (c) "Initiation" (beginning) and "dependent" fit logically: the start of projects depends on cost, profitability, and sustainability.

Incorrect options:

- (a) "Vulnerable" does not collocate with "on."
- (b) "Occurrence" is not typically used for projects; "premised" is awkward.
- (d) "Starting" is less formal than "initiation"; "possible" doesn't fit the structure.

80. (d) "Callous" means showing or having an insensitive and cruel disregard for others.

Incorrect options:

- (a) "Passive" means not active, not synonymous.
- (b) "Careless" means not careful, but not specifically cruel.
- (c) "Cursed" means under a curse, unrelated.

81. (b) "Embezzlement" specifically means theft or misappropriation of funds placed in one's trust.

Incorrect options:

- (a) "Robbery" is taking by force, not necessarily by trust.
- (c) "Theft" is general, not specific to trusted funds.
- (d) "Fraud" is deception, which may include but is not specific to money misappropriation.

82. (d) "Not to mince matters" means to speak frankly and directly without euphemism.

Incorrect options:

- (a), (b), (c): These do not relate to frank speech.

83. (a) "Who acquires" maintains present tense and correct subject-verb agreement ("man" is singular).

Incorrect options:

- (b) "Which" is for things, not people; tense is wrong.
- (c) "Acquire" is plural, but "man" is singular.
- (d) "Has been acquired" is passive and nonsensical.

84. (b) "Lieutenant" is the correct spelling.

Incorrect options:

- (a), (c), (d): These are misspellings.

85. (a) The error lies in part (a). The noun truth is an abstract noun that generally requires the definite article the when referring to a specific truth already known or discovered. Therefore, the correct phrase should be "After knowing the truth." The article the specifies that it is a particular truth being discussed, not truth in general.

Parts (b), (c), and (d) are grammatically and contextually correct.

Correct Sentence:

After knowing the truth, they took the right decision in the matter and punished the real culprits.

Concept Tested:

Use of definite article (the) before specific abstract nouns (e.g., the truth, the fact, the reality, the beauty).

86. (b) "Criticised for taking into" or "criticised for not taking into" is correct, but option (c) "to take into" is not listed. However, (b) "for taking into" is grammatically correct and improves the sentence.

The best choice is (b) "for taking into."

Incorrect options:

- (a) "to take in" means to understand or absorb, not appropriate.
- (d) "by take into" is ungrammatical.

87. (c) The adverb "largely" (meaning mostly) is needed to modify "borrowed."

Incorrect options:

- (a) "Large" is an adjective, not an adverb.
- (b) "Largest" is a superlative adjective.
- (d) Duplicate option.

88. (b) The correct preposition to use before the name of a country is "in." Therefore, the correct phrase is "in Britain." The preposition in is used to indicate a place, country, or region where something exists, happens, or applies.

For example:

She lives in India.

The policy was introduced in Britain.

Other options are incorrect because:

- (a) the is an article, not a preposition.
- (c) on is used for surfaces or days, e.g., on the table, on Monday.
- (d) with expresses accompaniment or possession, e.g., with a friend.

Hence, the most appropriate choice is (b) in.

89. (b) "Follows" is correct because the subject "The Indian Bill of Rights" is singular.

Incorrect options:

- (a) "Follow" is plural.
- (c) "Followed" is past tense, but the context is present.
- (d) "Following" is not a main verb.

90. (d) The correct phrase is "on behalf of", which means representing someone or in place of someone. It is used when one person speaks, acts, or writes as a representative of another.

Example: The lawyer signed the agreement on behalf of his client.

Why (d) is correct:

"On behalf of" is the standard and grammatically correct idiomatic expression used in formal and official English.

Why others are incorrect:

(a) on behalf – incomplete; it must be followed by of to form the correct phrase.

(b) behalf of – grammatically incomplete without the preposition on.

(c) on the behalf of – incorrect because the article the is unnecessary and nonstandard in this phrase.

Correct Answer: (d) on behalf of

91. (c) "Acceptable" (adjective) is needed after "was not."

Incorrect options:

(a) "Accepted" is a verb.

(b) "Accepting" is a gerund.

(d) "Acceptably" is an adverb.

92. (d) Sentence D introduces the topic by describing India's spiritual nature. B follows, adding that Indians are open to change and reform. C gives a fitting example of Swami Dayanand Saraswati, who opposed idol worship as part of social reform. A concludes with the contrast word "Yet", showing that despite his opposition, he is still respected as a reformer.

This order creates a smooth flow from general to specific and ends with a thoughtful conclusion. Other options break the logical sequence or start abruptly.

Correct Answer: (d) D, B, C, A

93. (a) Sentence C introduces the central idea — how the expanding Indian middle class is using NGOs to spread awareness of rights and liberties among the poorer sections. D builds on this by describing the promise and significance of this new reform movement driven by a non-partisan middle class. A then provides the background, noting that such efforts in India have been inspired by Western models of political reform. B logically follows, explaining that these organisations promote political democracy rooted in civil society. Finally, E concludes the paragraph, highlighting that this emerging civil consciousness, though not traditional, can bring a fresh form of democracy to India.

Other sequences fail to establish a smooth flow from introduction to background, ideology, and conclusion.

Correct Answer: (a) C, D, A, B, E

94. (a) B introduces the policy. C describes its purpose. A and D complete the discrimination description.

Incorrect options:

Other sequences do not form a coherent sentence.

95. (d) Statement B is true: The passage criticizes the proliferation of books lacking originality, describing compilations made "without any new materials" and with "little application of judgement," which create a bleak picture of modern publications.

Statement C is true: The author uses juxtaposition by contrasting useless compilations (e.g., those made "without any new materials") with useful ones (e.g., collections that gather "particles of science" under "proper heads").

Statement D is true: The passage is primarily in the present tense (e.g., "everyday brings new advertisements," "he facilitates the progress") and uses both active ("he collects") and passive ("are often widely scattered") constructions.

Statement A is false: The passage is critical, not robust or positive, emphasizing that most new books lack value and "distract choice without supplying any real want."

96. (c) Statement A is true: The writer explicitly criticizes authors who "have no other task than to lay two books before them out of which they compile a third, without any new materials," condemning vanity publications.

Statement B is true: The writer acknowledges beneficial authors who "teach us anything which we know not" or "supply life with innocent amusement," but expresses concern about the majority who "fill the world with books" without value.

Statement D is true: The writer states that "all compilations are useless, I do not assert," and praises useful compilations that gather scattered knowledge "under proper heads," making it easy for others to access.

Statement C is false: The writer does not reject all compilations outright; instead, he distinguishes between those done poorly and those done with effort and judgment.

97. (b) Plagiarism (B) and Duplication (C) are central to the passage's criticism. The author describes compilers who "lay two books before them out of which they compile a third, without any new materials," which aligns with plagiarism (using others' work without originality) and duplication (reproducing content without added value).

Innovation (D) is not discussed; the passage focuses on the lack of innovation in modern publications.

Copyright laws (A) are not mentioned; the issue is ethical (lack of originality) rather than legal.

98. (c) A: past perfect (III), B: simple past (I), C: past perfect continuous (IV), D: past continuous (II).

Incorrect options:

Other matchings are incorrect.

99. (b) A: alias = second name (IV), B: de jure = legal rights (III), C: in lieu of = in place of (II), D: pro rata = in proportion (I).

Incorrect options:

Other matchings are incorrect.

100. (c) A. Be at cross purposes → II. This idiom means working towards different goals or not understanding each other, leading to confusion.

B. Wheels within wheels → I. Refers to hidden or secret plans and complicated schemes behind the scenes.

C. Wild goose chase → IV. Describes a useless or foolish pursuit that is unlikely to succeed.

D. Off the cuff → III. Means speaking or acting spontaneously, without prior planning or preparation.

This order maintains the logical meaning of each idiom correctly. The other combinations mix unrelated meanings, so the correct matching is A-II, B-I, C-IV, D-III, i.e., option (c).

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