

1. What is the point on the lever which does not move called?  
A. Effort                      B. Load  
\*C. Fulcrum                      D. Core
2. Which country celebrates its Independence day on January 4<sup>th</sup>?  
A. Pakistan                      \*B. Myanmar  
C. Malaysia                      D. Indonesia
3. The mean of four different observations is 17.5. When a new observation whose value 20 is added, what will be the new mean?  
\*A. 18    B. 17.5                      C. 19    D. 18.5
4. If  $\sec\theta - \tan\theta = 1/3$  what is  $\sec\theta + \tan\theta$ ?  
A. 1    B. 9                      \*C. 3    D. 1/9
5. Select the correct set of symbols:  
 $34 \ 16 \ 4 \ 12 = 26$   
A. x, -, ÷                      B. +, -, ÷  
C. +, ÷, +                      \*D. +, ÷, -
6. Who developed Polio vaccine?  
A. Marie Curie                      \*B. Jonas Salk  
C. Louis Pasteur                      D. Alexander Fleming
7. A book can be read in 40 days if 7 pages are read every day. If the book needs to be read in 8 days. How many pages should be read every day?  
\*A. 35    B. 16                      C. 56    D. 28
8. What is the measure of the angle formed by the hour and minute hand when the time is 10<sup>'</sup> O clock?  
A. 30°    B. 45°                      \*C. 60°    D. 90°
9. Which is the smallest prime number?  
A. 0    B. 1                      \*C. 2    D. 3
10. Another name for computer chip is?  
\*A. Microchip                      B. Motherboard  
C. CPU                      D. Microprocessor
11. If the average marks obtained by Balu, Benjamin and Babur is 80 and the average marks of Benjamin and Babur is 83, find marks obtained by Balu.  
A. 80    B. 83                      C. 90    \*D. 74
12. If the HCF and LCM of 5x and 8x are 9 and 360 respectively, find value of x.  
A. 5    B. 7                      \*C. 9    D. H
13. Who was the 16th speaker of Lok Sabha?  
\*A. Sumitra Mahajan  
B. Somnath Chatterjee  
C. Meira Kumar  
D. Manohar Joshi
14. A cyclist cycles 8 km at 15 km/hr and a further 4 km at 20 km/hr. Find the average speed in km/hr.  
A. 16.8                      \*B. 16.36  
C. 15.71                      D. 17.50
15. A trader bought 120 kg of potato at 24/kg. He sold 80 kg of it at 50% profit and the balance at 25% loss. Find the total profit or loss?  
A. 50% Profit                      \*B. 25% Profit  
C. 50% Loss                      D. 25% Loss
16. Fill in the blanks:  $\sin A = \frac{\quad}{\quad} \times (\cos A)$   
A.  $\sin A$                       \*B.  $\tan A$   
C.  $\cot A$                       D.  $\operatorname{cosec} A$
17. Jack sold a dress for Rs.1440 and made a profit of 20%. What was its cost?  
A. 1152                      B. 1240  
\*C. 1200                      D. 1180
18. A bus can travel  $12 \frac{2}{5}$  Km in one hour. How much distance will it cover in  $2 \frac{3}{4}$  hours?  
A. 3.41 km                      \*B. 34.1 km  
C. 341 km                      D. 0.341 km
19. In a class of 54 students, 24 drink milk, 28 drink tea and 8 drink none. Find how many drink both milk and tea?

- A. 8 \*B. 6 C. 2 D. 10
20. The MRP of a watch is Rs.4750. The shop sells it at 12% discount. If the shopkeeper had purchased the watch for Rs. 3,850, what is his gain?  
A. Rs.240 B. Rs.570  
C. Rs.900 \*D. Rs.330
21. Vaccination is to Disease as Maintenance is to  
A. Paint \*B. Breakdown  
C. Expense D. Oiling
22. In a specific code language, a driver is called a farmer, a farmer is called an engineer, and an engineer is called a doctor. So who will plough the field?  
A. Driver B. Farmer  
\*C. Engineer D. Doctor
23. Which planet has a moon called Ganymede?  
A. Mercury B. Venus  
C. Mars \*D. Jupiter
24. How many players are there in each team who play in a game of Kho – Kho ?  
A. 12 \*B. 9 C. 11 D. 10
25. Which is the oldest dam in India?  
A. Nagarjuna Sagar dam  
B. Vaigai dam  
C. Indira Sagar dam  
\*D. Grand Anicut
26. Below are given statements followed by some conclusions. Read them to answer the question below.  
1. College education is very expensive these days.  
2. College education should be restricted to few.

**Conclusions:**

- I. Nobody can afford to go to college.  
II. Even the poor should have access to affordable college education.

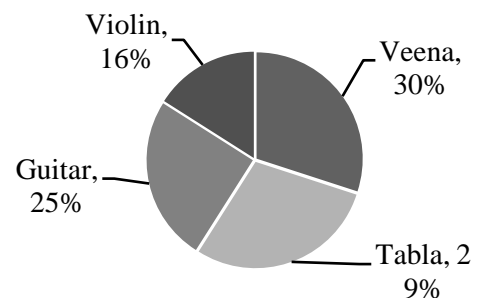
**Which of the given conclusions logically follow(s) from the given statements.**

- A. Only conclusion I follows  
B. Only conclusion II follows  
C. Both conclusion I & II follows  
\*D. Neither conclusion I nor II follows

27. What comes next in the series? 765, 642, 519, 396, 273 ?  
A. 210 B. 187 \*C. 150 D. 134

**Comprehension:**

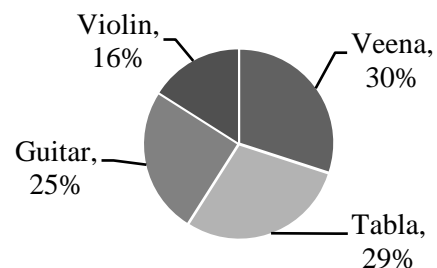
The pie chart below represents the instruments played by students of a school. Read the chart and answer the following questions based on it.

**Sub Question No: 28**

28. The sector angle corresponding to the Violin is  
A.  $16.8^\circ$  B.  $16^\circ$   
\*C.  $57.6^\circ$  D.  $48^\circ$

**Comprehension:**

The pie chart below represents the instruments played by students of a school. Read the chart and answer the following questions based on it.

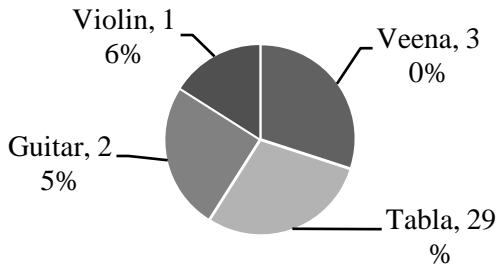
**Sub Question No: 29**

29. If there are 300 students in total, what is the difference between those who play Tabla and those who play Veena?  
A. 30 B. 90 \*C. 3 D. 9

**Comprehension:**

The pie chart below represents the instruments played by students of a school. Read the chart and answer the

following questions based on it.



**Sub Question No: 30**

30. The ratio of students who play Guitar to Violin
  - A. 5:4
  - B. 5:6
  - \*C. 25:16
  - D. 8:15
31. What instrument is used to detect objects under water?
  - A. Laser
  - B. Radar
  - \*C. Sonar
  - D. Scuba
32. Who founded the Dravida Munnetra Kazagam (DMK)?
  - A. M. Karunanidhi
  - B. MG. Ramachandran
  - \*C. C.N. Annadurai
  - D. C. Rajagopalachari
33. Where did Gautama Buddha attain enlightenment?
  - \*A. Bodh Gaya
  - B. Amamath
  - C. Kushinagar
  - D. Lumbini
34. What are a group of Dolphins called?
  - A. Gang
  - \*B. Pod
  - C. Colony
  - D. Sleuth
35. If  $\sqrt{x^2 + y^2} = 25$ , and  $y = 2x$ , find x.
  - A. 5
  - B. 25
  - \*C.  $\sqrt{125}$
  - D.  $\sqrt{5}$

**Comprehension:**

A company has only 3 Car models 1, 2 and 3. Their sales figures are as below:

Year	Model 1	Model 2	Model 3
1990 - 1995	19,000	41,300	6,412
1996 - 2000	27,000	35,000	7,276
2001 - 2005	42,500	32,000	8,184

Year	Model 1	Model 2	Model 3
2006 - 2010	68,320	21,350	9,250
2011 - 2015	91,600	16,400	10,025

Using data given in the above table, answer the following questions:

**Sub Question No: 36**

36. Which of the following is definitely false?
  - A. The company seems to have problems with Model 2.
  - \*B. Company seems to be focusing more on Model 1 sales.
  - C. Rate of growth of Model 3 is higher than that of Model 1.
  - D. Model 1 share on total company sales is continuously increasing.

**Comprehension:**

A company has only 3 Car models 1, 2 and 3. Their sales figures are as below:

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1990-1995	19,000	41,300	6,412
1996 - 2000	27,000	35,000	7,276
2001-2005	42,500	32,000	8,184
2006 - 2010	68,320	21,350	9,250
2011 - 2015	91,600	16,400	10,025

Using data given in the above table, answer the following questions:

**Sub Question No: 37**

37. For which period did the total car sales exceed one lakh ?
  - A. 1995-2000
  - B. 2001-2005
  - \*C. 2011-2015
  - D. 2006-2010

**Comprehension:**

A company has only 3 Car models 1, 2 and 3. Their sales figures are as below:

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2001 - 2005	42,500	32,000	8,184
2006 - 2010	68,320	21,350	9,250
2011 - 2015	91,600	16,400	10,025

Using data given in the above table, answer the following questions:

**Sub Question No: 38**

38. For the period 2011-2015, the difference in share of sales between Models 1 and 2 is  
 A. 77.6%                      B. 13.8 %  
 C. 8.5 %                      \*D. 63.7 %
39. A clock runs fast by 5 mins per hour. If the clock was set right at 12 noon and the clock shows 6.30 p.m. now, what is the right time?  
 A. 5:00 pm                      B. 5:15 pm  
 C. 5:30 pm                      \*D. 6:pm
40. If  $a + b = -2$  and  $a - b = 12$ , find b.  
 A. 5    B. -5                      C. 7    \*D. -7
41. Bow is to Violin as Plectrum is to  
 A. Finger                      B. Tabla  
 \*C. Sitar                      D. String
42. Which country is considered to be the second largest, area wise?  
 A. Russia                      B. India  
 \*C. Canada                      D. China
43. Where is the Winter Olympics 2018 going to be held?  
 A. Atlanta                      \*B. Pyeongchang  
 C. Rio de Janeiro                      D. Sydney
44. Solve:  $0.05 \times 0.4$   
 A. 2                      \*B. 0.02  
 C. 0.2                      D. 0.002

**Comprehension:**

Read the following chart and answer the following questions.

Days	Train accident deaths
Sunday	142
Monday	173
Tuesday	165
Wednesday	124
Thursday	198
Friday	220
Saturday	189

**Sub Question No: 46**

45. Which day of the week recorded maximum train accident deaths?  
 A. Sunday                      B. Thursday  
 \*C. Friday                      D. Saturday

**Comprehension:**

Read the following chart and answer the following questions.

Days	Train accident deaths
Sunday	142
Monday	173
Tuesday	165
Wednesday	124
Thursday	198
Friday	220
Saturday	189

**Sub Question No: 47**

46. What is the difference between the day that had maximum deaths to the day that had minimum deaths?  
 A. 104                      B. 86  
 C. 94                      \*D. 96

**Comprehension:**

Read the following chart and answer the following questions.

Days	Train accident deaths
Sunday	142
Monday	173
Tuesday	165
Wednesday	124
Thursday	198
Friday	220
Saturday	189

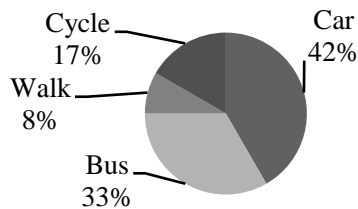
**Sub Question No: 48**

47. What is the average death rate per day for the week?  
 \*A. 173                      B. 172  
 C. 183                      D. 163
48. In which state are the Ajanta and Ellora caves situated?  
 A. Madhya Pradesh                      \*B. Maharashtra

C. Manipur

D. Uttar Pradesh

49. In a school of 1200, students were asked how they travelled to school. The information obtained is depicted by a pie-chart as below. From the given information find how many students come to school by Car?



A 1000  
C. 900

\*B. 504  
D. 750

50. Who is said to be the father of Indian Space Programme?

A. Abdul Kalam      B. Rakesh Sharma  
\*C. Vikram Sarabhai      D. Homi Bhabha

51. Which of the following is used to measure obesity?

A. PMI      \*B. BMI  
C. AMI      D. KMI

52. Find the odd one out: Temple, Brick, Palace, House

A. Temple      \*B. Brick  
C. Palace      D. House

53. When is the International yoga day celebrated?

A. 21st March      \*B. 21st June  
C. 21st September      D. 21st July

54. How many fundamental duties are noted in the Constitution of India?

A. 8      \*B. 11      C. 10      D. 9

55. Which is the largest 3 digit number that is exactly divisible by 15, 25 and 30?

A. 975      B. 930      C. 960      \*D. 900

56. What is the name of the dog that first went into space?

A. Jules

\*B. Laika

C. Roger

D. Sputnik

57. In an office of 50 people, 18 write with their right hand, 26 write with their left hand and 2 can write with both hands. How many cannot write?

A. 8      \*B. 4      C. 11      D. 9

58. If Jhanavi borrowed Rs.1,25,000 at 8% compounded, what will be the amount to be paid back at the end of 2 years?

\*A. 1,43,800      B. 2,00,000  
C. 1,43,000      D. 1,35,800

59. Study of birds is called?

\*A. Ornithology      B. Entomology  
C. Birdology      D. Herpetology

60. Name the capital of Denmark?

\*A. Copenhagen      B. Bristol  
C. Sydney      D. Canberra

61. Which country gifted the Statue of Liberty to USA?

A. Germany      \*B. France  
C. England      D. India

62. From which of the following can ethanol be obtained?

A. Rice      B. Sunflower  
\*C. Sugarcane      D. Petrol

63. To prepare a sweet, you need 5 cups of milk and 3 cups of sugar. If you are given 25 cups of milk, how much sugar will you need to prepare the sweet and exhaust all the milk?

A. 9 cups      B. 6 cups  
\*C. 15 cups      D. 10 cups

64. Who won the 2018 French open-men's singles title?

A. Novak Djokovic      \*B. Rafael Nadal  
C. Stan Wawrinka      D. Andy Murray

65. Which number among the following does not belong to the series 8, 27, 50, 125, 343?  
A. 8 B. 27 \*C. 50 D. 125
66. In a family, X and Y are sisters. Y is the mother of A. C is the son of A. B is the son of X. Which of the following statements is true?  
A. A is the son of X and Y.  
\*B. B and A are cousins.  
C. X is the Father of B.  
D. X is C's Grandmother.
67. Find the odd one out. Webcam, Speaker, Digital Camera, Smartphone.  
\*A. Webcam B. Speaker  
C. Digital camera D. Smartphone
68. What does AQI stand for?  
A. Airport Quality Index  
\*B. Air Quality Index  
C. Army Quality Index  
D. Air Quality Impact
69. Which is the second most abundant element in the universe?  
A. Hydrogen \*B. Helium  
C. Nitrogen D. Iron
70. Which State CM Launches 'Saubhagya Yojna' to provide electricity to all villages?  
\*A. Uttar Pradesh \*B. Jharkhand  
C. Madhya Pradesh D. Karnataka
71. Dinesh is older than Ramesh. Boman is younger than Dinesh. Who is the youngest of all.  
A. Rameah  
B. Dinesh  
C. Boman  
\*D. Cannot be determined
72. If  $3x+0.04x=0.608$ , find x.  
A. 2 \*B. 0.2 C. 0.02 D. 0.002
73. In a class of 26 students, 14 have cats, 10 have dogs and 5 have parrots. If 4 have dogs and cats, 1 has dog and parrot, 3 have parrots and cats and no one has all the three. How many have none?  
A. 1 \*B. 3 C. 5 D. 7
74. In a family of 6 people P, Q, R, S, T and U, P and R a mired couple. S is the daughter of P. Q is the son of R but R is not the mother of Q. T is the brother of R. U is the brother of S. How many male members are there in the family?  
A. 3 B. 2 \*C. 4 D. 5
75. Reuters the news agency. Where is its headquarters located at?  
A. USA \*B. UK  
C. Australia D. India
76. Samuel is eighth shortest in a class of 26 students. What will be his position if counted from the tallest in the class?  
\*A. 19 B. 18 C. 18 D. 17
77. Jyothi said to Chitra, "Father of your daughter is the son of my brother". How is Jothi's brother related to Chitra's daughter?  
A. Son B. Uncle  
\*C. Grandfather D. Grandson
78. Den is to Lion as Aviary is to  
A. Crocodiles B. Sheep  
\*C. Birds D. Snakes
79. If A:B is 2:5 and B:C is 3:4, what is A:C?  
\*A 3:10 B. 1:2  
C. 2:3 D. 5:4
80. Find which does not belong to the group? Circle, Square, Rectangle, Triangle, Octagon  
A. Square \*B. Circle  
C. Triangle D. Octagon
81. If the perimeter of a rectangle is 24cm with length being twice as its breadth, find its area.  
A. 24 sq.cm \*B. 32 sq.cm  
C. 28 sq.cm D. 36 sq.cm
82. What does PSLV stand for?

- A. Polar Sunlight Launch Vehicle  
B. Polar Space Launch Vehicle  
\*C. Polar Satellite Launch Vehicle  
D. Public Satellite Launch Vehicle
83. Who holds the record for most Oscar awards won by a male?  
A. Ridley Scot  
B. Steven Spielberg  
\*C. Walt Disney  
D. Joseph M Newman
84. Deficiency of Vitamin A leads to what?  
\*A. Night blindness      B. Beriberi  
C. Anaemia      D. Tuberculosis
85. Which is the smallest planet in the Solar system?  
A. Pluto      B. Jupiter  
\*C. Mercury      D. Earth
86. Which is the processor that performs arithmetical and logical operations called?  
A. CPU      B. Microprocessor  
\*C. ALU      D. RAM
87. In what time will Rs.8,750 at 8% p.a simple interest will can a total interest of  $\frac{6}{25}$ <sup>th</sup> of the principal?  
A. 4 years      \*B. 3 years  
C. 2 years      D. 5 years
88. From the given statements find which of the inference is true?  
I. All players are strong.  
II. All strong people are tall.  
III. Ajit is strong.  
\*A. Ajit is tall.  
B. Ajit is a player.  
C. Ajit is a tall player.  
D. No inference can be drawn.
89. Who was the first Hockey player to be awarded the Padma Shri?  
A. Dhyan Chand  
\*B. Balbir Singh Sr.  
C. Leslie Walter Claudius  
D. Dhanraj Pillay
90. If a 12 meter rod is cut into 25 equal pieces, what is the length of each piece?  
A. 4.8m      \*B. 48cm  
C. 48mm      D. 4.8cm
91. Who was the first Indian woman to win gold in Asian games?  
A. P.T. Usha      B. Shiny Wilson  
\*C. Kamaljeet Sandhu      D. Shweta Chaudhry
92. A train runs at a speed of 80km/hr. If the length of the train is 400 m, how long will it take for it to cross an 400m bridge?  
A. 20 seconds      B. 26 seconds  
\*C. 36 seconds      D. 35 seconds
93. What is 100 Million equal to?  
A. 10 Lakhs      B. 100 Lakhs  
\*C. 10 Crores      D. 100 Crores
94. If A purchased 109 cars for Rs.2,64,89,071. How much does 1 car cost?  
A. Rs.2,43,109      B. Rs.2,39,140  
\*C. Rs.2,43,019      D. Rs.2,43,190
95. Rabindranath Tagore received the Nobel prize in the year?  
A. 1911      B. 1923  
\*C. 1913      D. 1941
96. What is the SI unit of electric charge?  
A. Volts      \*B. Coulomb  
C. Kelvin      D. Kilogram
97. Who was the Governor-General of free India?  
A. Rajaji      \*B. Rajagopalachari  
C. Rajendra Prasad      D. Lord Wavell
98. Which network topology requires a "Hub" for its working?  
A. Ring      B. Bus  
\*C. Star      D. Both Bus and Star

99. Manoj and Harish play the tabla. Ketan and Harish play the drum. Manoj and Jacob play the flute, Jacob and Ketan play the violin. How many can play 2 instruments each?  
 A. One                                      B. Two  
 C. Three                                      \*D. Four
100. A tank is normally filled in 8 hours but takes 2 hours longer to fill because of a leak in its bottom. If the cistern is full, in how many hrs will the leak empty it?  
 A. 45    B. 50  
 \* C. 40    D. 35

## ANSWER KEY

1. C	2. B	3. A	4. C	5. D	6. B	7. A	8. C	9. C	10. A
11. D	12. C	13. A	14. B	15. B	16. B	17. C	18. B	19. B	20. D
21. B	22. C	23. D	24. B	25. B	26. D	27. C	28. C	29. C	30. C
31. C	32. C	33. A	34. B	35. C	36. B	37. C	38. D	39. D	40. D
41. C	42. C	43. B	44. B	45. C	46. D	47. A	48. B	49. B	50. C
51. B	52. B	53. B	54. B	55. D	56. B	57. B	58. A	59. A	60. A
61. B	62. C	63. C	64. B	65. C	66. B	67. A	68. B	69. B	70. B
71. D	72. B	73. B	74. C	75. B	76. A	77. C	78. C	79. A	80. B
81. B	82. C	83. C	84. A	85. C	86. C	87. B	88. A	89. B	90. B
91. C	92. C	93. C	94. C	95. C	96. B	97. B	98. C	99. D	100. C