In a class of 54 students, 24 drink milk, 28 drink

tea and 8 drink none. Find how many drink both

1.	What is the point on the lever which does not move called?			If the average marks obtained by Balu Benjamin and Babur is 80 and the average		
	A. Effort *C. Fulcrum	B. Load D. Core		marks of Benjami obtained by Balu.	in and Babur is 83, find marks	
	C. I dicium	D. Cole		A. 80 B. 83	C. 90 *D.74	
2.	•	brates its Independence				
	day on January 4 th ?		12.		CM of 5x and 8x are 9 and 360	
	A. Pakistan	*B. Myanmar		respectively, find		
	C. Malaysia	D. Indonesia		A. 5 B. 7	*C. 9 D.H	
3.	The mean of four d	The mean of four different observations is 17.5. When a new observation whose value 20			speaker of Lok Sabha?	
	17.5. When a new of				ın	
	is added, what will		B.Somnath Chatt	erjee		
	*A. 18 B. 17.5	C. 19 D. 18.5		C. Meira Kumar		
				D. Manohar Josh		
4.		what is $\sec\theta + \tan\theta$?	14.	A explict explos	km at 15 km/hr and a further	
	A. 1 B. 9	*C. 3 D. 1/9	14.	•	or. Find the average speed in	
				km/hr.	ii. Find the average speed h	
5.	Select the correct se	et of symbols:		A. 16.8	*B. 16.36	
	34 16 4 12 = 26			C. 15.71	D. 17.50	
	A. x, -, ÷	B. +, -, ÷		C. 13.71	D. 17.50	
	C. $+, \div, +$	*D. +, ÷, -	15.	A trader bought	120 kg of potato at 24/kg. He	
_	*** 1 1 15		10.		50% profit and the balance a	
6.	_	Who developed Polio vaccine?			e total profit or loss?	
	A. Marie Curie	*B. Jonas Salk		A. 50% Profit	*B. 25% Profit	
	C. Louis Pasteur	D. Alexander Fleming		C. 50% Loss	D. 25% Loss	
7.	A book can be rea	d in 40 days if 7 pages are	4		a:	
	read every day. If t	he book needs to be read in	16.		$Sin A = \underline{\hspace{1cm}} \times (Cos A)$	
	8 days. How many	pages should be read every		A. Sin A	*B. Tan A	
	day?			C. Cot A	D. Cosec A	
	*A. 35 B. 16	C. 56 D. 28	17.	Inal gold a dragg	for Rs.1440 and made a	
			17.	profit of 20%. W		
8.		What is the measure of the angle formed by the hour and minute hand when the time to 10' O			B. 1240	
					D. 1180	
	clock?			*C. 1200	7. 1100	
	A. 30° B. 45°	*C. 60° D. 90°	18.	A bus can travel	$12 \frac{2}{5}$ Km in one hour. How	
9.	Which is the smallest prime number?				ll it cover in 2 3 hours?	
	A. 0 B. 1	*C. 2 D. 3		A. 3.41 km	*B. 34.1 km	
				C. 341 km	D. 0.341 km	
10.	Another name for c	computer chip is?		C. 541 Kill	D. U.J41 MIII	
	*A. Microchip	B. Motherboard	10	T 1 654 4	1 4 24 1 1 11 20 1 1	

D. Microprocessor

C. CPU

19.

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

Which is the oldest dam in India? 25.

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
 - 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

- 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,

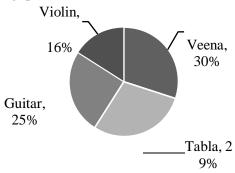
396, 273 ?

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°

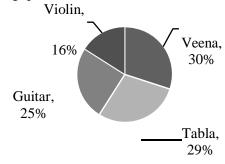
B. 16°

*C. 57.6°

D. 48°

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

college education.

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

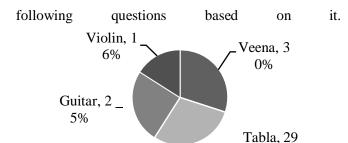
29. If there are 300 students in total, what is the difference between those who play Tabla and those who play Veena?

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



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 $x^2 + y^2 = 25$, and y = 2x, find x.

A. 5

B. 25

*C.√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

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

- 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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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:

Year	Model 1	Model 2	Model 3
1990 – 1995	19,000	41300	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: 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: 0.05×0.4

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

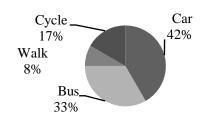
D. 163

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 *B. 504 C. 900 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 cats and no one has all the three. How many belong to the series 8, 27, 50, 125, 343? have none? B. 27 *C. 50 D. 125 A. 1 *B. 3 C. 5 D. 7 In a family, X and Y are sisters. Y is the In a family of 6 people P, Q, R, S, T and U, P 66. 74. mother of A. C is the son of A. B is the son of and R a mimed couple. S is the daughter of P. X. Which of die following statements is true? Q is the son of R but R is not the mother of Q. A. A is the son of X and Y. T is the brother of R. U is the brother of S. How *B. B and A are cousins. many male members are there in the family? C. X is the Fattier of B. A. 3 B. 2 *C. 4 D. 5 D. X is C"s Grandmother. 75. Reuters the news agency. Where is its 67. Find the odd one out. Webcam, Speaker, headquarters located at? Digital Camera, Smartphone. A. USA *B. UK *A. Webcam B. Speaker C. Australia D. India D. Smartphone C. Digital camera 76. Samuel is eighth shortest in a class of 26 68. What does AQI stand for? students. What will be his position if counted A. Airport Quality Index from the tallest in the class? *B. Air Quality Index *A. 19 B. 18 C. 18 D. 17 C. Army Quality Index D. Air Quality Impact 77. Jyothi said to Chitra, "Father of your daughter is the son of my brother". How is Jothi"s 69. Which is the second most abundant element in brother related to Chitra"s daughter? the universe? A. Son B. Uncle *C. Grandfather D. Grandson A. Hydrogen *B. Helium C. Nitrogen D. Iron 78. Den is to Lion as Aviary is to 70. Which State CM Launches "Saubhagya Yojna" A. Crocodiles B. Sheep to provide electricity to all villages? *C. Birds D. Snakes A. Uttar Pradesh *B. Jharkhand C. Madhya Pradesh D. Karnataka 79. If A:B is 2:5 and B:C is 3:4, what is A:C? *A 3:10 B. 1:2 71. Dinesh is older than Ramesh. Boman is younger C. 2:3 D. 5:4 than Dinesh. Who is the youngest of all. A. Rameah 80. Find which does not belong to the group? B. Dinesh Circle, Square, Rectangle, Triangle, Octagon C. Boman A. Square *B. Circle *D. Cannot be determined C. Triangle D. Octagon 72. If 3x+0.04x=0.608, find x. 81. If the perimeter of a rectangle is 24cm with A. 2 *B. 0.2 C. 0.02 D. 0.002 length being twice as its breadth, find its area. A. 24 sq.cm *B. 32 sq.cm 73. In a class of 26 students, 14 have cats, 10 have C. 28 sq.cm D. 36 sq.cm dogs and 5 have parrots. If 4 have dogs and cats,

82.

What does PSLV stand for?

1 has dog and parrot, 3 have parrots and

C. Leslie Walter Claudius

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

A. Polar Sunlight Launch Vehicle

*B. Balbir Singh Sr.

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. 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.	С	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.	В	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.	В	52. B	53. B	54. B	55. D	56. B	57. B	58. A	59. A	60. A
61.	В	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.	В	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