

QUANTITATIVE APTITUDE

1. The speed of a boat in still water is 8 kmph and that of current is 3 kmph. The boat starts from point A and goes to point B and comes back to point A. It takes 19 hours during this journey. How far is point A from point B?

- (1) 27 km (2) 33 km
(3) 30 km (4) 32 km
(5) None of these

2. The area of a rectangular park is 2000 sq.m. and its perimeter is 180 meter. There is a 2.5 m wide path inside the park all around. The cost of construction of path is Rs. 40 per sq. meter. Find the total cost of construction of whole path.

- (1) Rs. 15000 (2) Rs. 12000
(3) Rs. 13500
(4) Rs. 6500
(5) None of these

3. The profit earned in the months of January, March and June?

- (1) 130 (2) 100
(3) 140 (4) 100
(5) None of these

5. What is the respective ratio between the percentage profits earned by the company in the months of February and May?

- (1) 23 : 50 (2) 21 : 50
(3) 19 : 50 (4) 17 : 50
(5) 23 : 47

6. What is the approximate expenditure of the company in the given months? (in Rs. thousand)

- (1) 360 (2) 380
(3) 350 (4) 370
(5) 330

7. In how many months, the income of company was more than 15% average income during the given months?

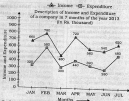
- (1) 1 (2) 2
(3) 3 (4) 4
(5) None of these

8. The difference between the population of a city two consecutive years ago from respective years ago from today is 5000. If there is 10% increase in population per year from the previous year, what is the present population of the city?

- (1) 60000 (2) 65000
(3) 68000 (4) 67000
(5) None of these

9. There was a science exhibition in an exhibition. On the first day 24 persons visited the day 24 persons visited the exhibition, on the second day 15 persons and on the third day only 10 persons visited the exhibition. The entry fee collected from each of them on these days was 2 : 3 : 5 respectively. If the total amount collected on these three days was Rs. 4700, what amount was collected on the first day?

Directions (3-7): Study the following graph carefully and answer the given questions.



Profit = Income - Expenditure Loss = Expenditure - Income

$$\text{Percentage of Profit} = \left(\frac{\text{Profit}}{\text{Expenditure}} \right) \times 100$$

$$\text{Percentage of Loss} = \left(\frac{\text{Loss}}{\text{Expenditure}} \right) \times 100$$

3. By what approximate percent is the profit earned by the company in the month of February less than that earned in the month of January?

- (1) 32%
(2) 38%

- (3) 47%
(4) 45%
(5) None of these

4. What is the difference between the total profits (in Rs. thousand) earned by the company in the months of February, April and June and

11) Rs. 1100

14) Rs. 1100

12) None of these

15) None of these

13) Rs. 1200

18. 3 men can do a work in 10 days, 3 women can do the same work in 6 days and 24 children in 3 days. If all the men, women and children work together, in how many days will the work be completed?

(A) 2

(B) 24

(C) 4

(D) 3

(E) None of these

Directions (19-20): Study the following table carefully and answer the questions given below.

School	Subject						
	Total Students	English	Maths	Science	Social Science	Hindi	Computer Science
A	400	78	65	75	80	82	115
B	344	67	63	64	64	72	65
C	438	84	73	67	78	58	98
D	485	83	58	63	63	61	67
E	386	55	77	83	64	76	85
F	417	57	70	59	69	74	113

19. By approximately what percent is the number of students studying English less than that studying mathematics in all schools taken together?
- (A) 12% (B) 14%
(C) 13% (D) 15%
(E) 16%

20. The respective ratio between the number of students studying Maths in schools A, C and D and that studying Social Science in schools B, D and F is

(1) 150 : 104 (2) 115 : 104
(3) 115 : 108 (4) 11 : 13
(5) None of these

21. By what percent is the number of students enrolled in Computer Science more than that enrolled in Hindi, taking all schools together?

(1) 30% (2) 22%
(3) 38% (4) 20%
(5) 35%

22. By what per cent is the total number of students studying English, Maths and Science from school C less than that studying the same subjects from school D?

(A) 11.4% (B) 15.0%
(C) 11.4% (D) 13.4%
(E) 13.4%

23. What is the average number of students who study Science and Social Science taking all schools together?

(1) 60 (2) 69
(3) 65 (4) 73
(5) 70

24. If the price of rice be increased by 20% then by how much per cent should its consumption be reduced so that expenditure does not increase?

(1) 37.5% (2) 30%
(3) 25% (4) 35%
(5) None of these

25. A starts a business with an initial investment of Rs. 18000. After 4 months, B joins into the partnership with an investment of Rs. 24000. Again after two months C enters with an investment of Rs. 30000. If C receives Rs. 18400 as the profit at the end of the year, what is the total annual profit?

(1) Rs. 6037 (2) Rs. 6337

(3) Rs. 6037 (4) Rs. 6300

(5) None of these

Directions (26-28): To answer the questions given below, study the following pie-chart and the table carefully.

Total production of nylon and cotton clothes by 6 companies A, B, C, D, E and F in the year 2013 is 60000.

Percentage-wise Distribution



Company	Ratio of nylon and cotton clothes
A	7 : 5
B	3 : 7
C	5 : 3
D	5 : 3
E	4 : 3
F	5 : 3

26. What is the respective ratio between the number of nylon clothes manufactured by company A and that of nylon clothes manufactured by company C?

(1) 49 : 37 (2) 27 : 49
(3) 25 : 48 (4) 48 : 35
(5) None of these

27. The difference between the average number of cotton clothes manufactured by companies A, C and E and that of cotton clothes manufactured by companies B, D and F is

(1) 36 (2) 38
(3) 48 (4) 45
(5) 45

28. By what per cent is the number of both types of clothes manufactured by company E more than that manufactured by company C?

(A) 30 (B) 40

(C) 50 (D) 60

(E) 80

21. The ratio between the number of cotton clothes manufactured by company B and that of nylon clothes manufactured by company F is

(1) 27 : 22 (2) 26 : 21

(3) 25 : 23 (4) 22 : 27

(5) None of these

22. The number of total cotton clothes manufactured by companies A, B and C is

(1) 2000 (2) 3000

(3) 5000 (4) 3000

(5) None of these

Directions (23-27) : Study the following information carefully and answer the questions given below :

In a school, X there are 600 students. The ratio of boys and girls is 8 : 5 respectively. Apples, oranges and bananas are distributed among them. 15% of boys get only apple, 12% of boys get only orange and 20% of boys get only banana, 7.5% of boys get only orange and apple, 12.5% of boys get only orange and banana and 20% of boys get only banana and apple. Remaining boys get all three fruits.

20% of girls get only apple, 18% girls get only orange and 12% of girls get only banana, 10% of girls get only orange and apple, 20% of girls get only orange and banana and 8% of girls get only banana and apple. Remaining girls get all three fruits.

23. How many boys get only one kind of fruit ?

(1) 172 (2) 192

(3) 142 (4) 182

(5) None of these

24. How many girls get only two kinds of fruits ?

(1) 124 (2) 154

(3) 84 (4) 130

(5) 100

25. How many students get fruits of all three kinds ?

(1) 40 (2) 50

(3) 60 (4) 30

(5) 80

26. What is the ratio between the number of boys who get only orange and that of girls who get only apple ?

(1) 7 : 11 (2) 6 : 11

(3) 5 : 11 (4) 7 : 9

(5) None of these

27. How many girls get only one kind of fruit ?

(1) 120 (2) 140

(3) 160 (4) 150

(5) None of these

Directions (28-32) : Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give answer (1) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

Give answer (2) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

Give answer (3) if the data in Statement I alone or in Statement II alone are sufficient to answer the question.

Give answer (4) if the data in both the statements I and II together are not sufficient to answer the question.

Give answer (5) if the data in both the statements I and II together are necessary to answer the question.

28. How many students did participate in discussion ?

1. The students who participated in discussion were 120% more than that who participated in discussion.

2. 150 students participated in discussion.

29. What is the speed of train ?

1. The train crosses a signal post in 24 seconds.

2. The train is 250 metre long and it crosses a 200 metre long platform in 50 seconds.

30. What will be the number of revolutions of a wheel of a train ?

1. The diameter of the wheel is 140 cm.

2. The train covers a distance of 480 metre.

31. Which person has the greater speed ?

1. First person covers a distance of 240 km and his speed is 3 kmph.

2. Second person covers 40 km more than the first person and takes 5 hours more than that of the first person.

32. What is Ramesh's present age ?

1. Ramesh is 3 years older than Suresh.

2. The ratio between the ages of Suresh and Ramesh is 4 : 5 respectively.

Directions (33-37) : In the following questions, two equations I and II have been given. You have to solve both equations and

Give answer (1)

(1) $x > y$

(2) $x < y$

(3) $x = y$

(4) $x \geq y$

(5) $x = y$ or the relation cannot be established.

33. I. $4x^2 + 22x + 20 = 0$

II. $5y^2 + 21y + 20 = 0$

34. I. $x^2 = 51$

II. $y^2 - 18y + 51 = 0$

35. I. $4x^2 + 26x + 21 = 0$

II. $3y^2 + 17y + 26 = 0$

36. I. $x^2 - 14x + 49 = 0$

II. $y^2 + 6 = 3y$

37. I. $25x^2 - 2x - 11 = 0$

II. $25y^2 + 25y + 6 = 0$

Directions (39-42) : What approximate value will come in place of the question mark (?) in the following questions? (Use an appropriate sign to calculate the exact value).

39. $6875 + 17.98 = 43.03 + 4.87 = ?$

- (1) 2180 (2) 2280
(3) 2080 (4) 2380

(5) None of these

40. $12.800 + 15.000 - 8.000 = 8.000 = ?$

- (1) 130 (2) 117
(3) 125 (4) 115

(5) None of these

41. $12.884 + 23.000 = 17.600 = ?$

- (1) 5180 (2) 5280
(3) 5140 (4) 5260

(5) None of these

42. $18.876 + 27.087 + 30.954 - 12.880 = 8.000 = ?$

- (1) 50 (2) 70
(3) 90 (4) 30
(5) 80

43. 18% of $600 + 27.5\%$ of $800 = ?$

- (1) 204 (2) 280
(3) 225 (4) 230
(5) 250

Directions (43-48) : What will come in place of the question mark (?) in the following number series?

43. $0, 13, 7, 285, 87, 1787, 1803$

- (1) 80 (2) 88
(3) 94 (4) 100
(5) 105

44. $5, 7, 38, 195, 808, 872, 3580$

- (1) 32 (2) 14
(3) 35 (4) 18
(5) 30

45. $5, 72, 26, ?, 110, 320, 448$

- (1) 90 (2) 55
(3) 54 (4) 88
(5) 60

Directions (49-50) : Study the given graph carefully to answer the questions that follow :

Number of people (in thousands) using three different types of mobile services over the years



46. What is the average number of people using mobile service M for all the years together?

- (1) $18\frac{1}{2}$ (2) $14.666\frac{1}{3}$

- (3) $16.666\frac{2}{3}$ (4) $14\frac{1}{2}$

(5) None of these

47. The total number of people using all the three mobile services in the year 2007 is what per cent of the total number of people using all the three mobile services in the year 2008? (rounded off to two digits after decimal)

- (1) 86.72 (2) 93.56

- (3) 88.18 (4) 91.87
(5) None of these

48. Number of people using mobile service N in the year 2006 forms approximately what per cent of the total number of people using all the three mobile services in that year?

- (1) 35 (2) 28

- (3) 11 (4) 23
(5) 29

49. What is the respective ratio of number of people using mobile service L in the year 2005 to those using the same service in the year 2004?

- (1) 8 : 7 (2) 3 : 2
(3) 18 : 13 (4) 18 : 11
(5) None of these

50. What is the total number of people using mobile service M in the years 2008 and 2009 together?

- (1) 70,000 (2) 30,000
(3) 45,000 (4) 25,000
(5) None of these

GENERAL AWARENESS

51. What is the ceiling on amount of insured deposits kept by one person in different branches of a bank?

- (1) Rs. 50,000 (2) Rs. 25,000
(3) Rs. 10,000 (4) Rs. 1 lakh
(5) Rs. 2 lakh

52. 37,000 trucks were recently destroyed by which terrorist group of Pakistan-Afghanistan border?

- (1) Russian Chechen terrorists
(2) Taliban

- (3) Ukrainian separatists
(4) Ossets

(5) None of these

53. As per the 2011 Census, which state of India has registered the highest increase in population in percentage terms?

- (1) Bihar
(2) Maharashtra

- (3) Madhya Pradesh
(4) Haryana
(5) Chhattisgarh

54. Which of the following countries was parodied the most by Typhoon Nogat named after the South Korean National Day?

- (1) Japan (2) Philippines
(3) South Korea

- (4) Vietnam
(5) None of these

55. What is the percentage of female workers in our country as per the 96th census?

- (1) 18.4% (2) 22.7%

- (3) 24.4% (4) 25.5%
(5) 27.5%

56. Who has authored 'Jinnah: India, Partition, Independence'?

- (1) Jawahar Singh
(2) Surendra Nath Sinha

- (3) Shashi Tharoor
(4) Subramaniam Swami

(5) Ramachandra Guha

57. The Stratospheric Observatory for Infrared Astronomy (SOFIA) is a joint project of NASA and the Aerospace Center of

88. Japan (3) Germany
 89. Canada (4) Australia
 90. France
89. For how many months is the General Debt valid?
 (1) 3 months (2) 5 months
 (3) 8 months (4) 10 months
 (5) 12 months
90. Which country won the Men's Football Gold Medal in the 2012 Olympics?
 (1) Mexico (2) Brazil
 (3) Spain (4) Argentina
 (5) Germany
90. According to the Economic Survey, the growth rate of Indian economy in 2014 will be in the range of
 (1) 4.4 - 5.2 %
 (2) 5.0 - 6.0 %
 (3) 6.5 - 6.5 %
 (4) 6.75 - 7.75 %
 (5) None of these
91. Barring high inflation, the average rate in India has fallen to 50 percent of the GDP in 2012-13. In which year did it peak at 38 percent?
 (1) 2000 (2) 2004
 (3) 2005 (4) 2008
 (5) 2010
92. Which of the following works is not done by Credit Information Companies?
 (1) Advising government on credit related matters
 (2) Collecting records of an individual's payments pertaining to loans
 (3) Maintaining records of an individual's payments pertaining to credit cards
 (4) Creating Credit Information Reports
 (5) All of the above
93. Which company will launch 4G connection in India by 2015?
 (1) Bharti Airtel
 (2) Vodafone India
 (3) Tata Infocom
 (4) Reliance Do
 (5) BSNL
94. In which of the following sectors did former actor Daniel Rabinovich make his debut?

- (1) The Tailor of Panama
 (2) Harry Potter and the Philosopher's Stone
 (3) Greenish Days
 (4) The Witness in Black
 (5) Harry Potter and the Goblet of Fire
95. What is the full form of AFMC which is related to the setting of price of fruits and vegetables?
 (1) Agricultural Produce Market Committee
 (2) Apple Producers Market Council
 (3) Agricultural Production & Marketing Committee
 (4) Apple Production & Marketing Committee
 (5) None of these
96. Which of the following terms is not related to banking sector?
 (1) CRR (2) Liquidity
 (3) Repo Rate
 (4) Marginal Standing Facility
 (5) All of these
97. Tabaring Togbay is the Prime Minister of
 (1) Myanmar (2) Nepal
 (3) Bhutan (4) Malaysia
 (5) Vietnam
98. Which of the following is correct regarding Banking Ombudsman?
 (1) He is appointed by Indian Bank Federation
 (2) He is responsible for addressing customer complaints against deficiency in certain banking services
 (3) He can receive and consider any complaint regarding Internet Banking
 (4) Both 2 and 3
 (5) All of the above
99. By which rate is the domestic reserve rate of currency converted into Foreign Currency?
 (1) Exchange Rate
 (2) Bank Rate
 (3) Bank Exchange Rate
 (4) Repo Rate
 (5) CRR

70. Who is the US Secretary of State to have stated India recently?
 (1) Hillary Clinton
 (2) Chuck Hagel
 (3) John Kerry
 (4) Hillary Rod
 (5) John McCain
71. According to the 2011 Census, the population of India was 1.21 crores with a decadal growth rate of
 (1) 9.92 % (2) 13.2 %
 (3) 15.18 % (4) 17.64 %
 (5) 20.51 %
72. Which among the following is/are Prospective Investors in Mutual Funds?
 (1) Non-Banking Finance Companies
 (2) Insurance Companies
 (3) Provident Funds
 (4) Foreign Institutional Investors (FIIs)
 (5) All of the above
73. Which Cabinet Minister has proposed raising the ceiling of coal mines?
 (1) Rajnath Singh
 (2) Arun Jaitley
 (3) Piyush Goyal
 (4) Ramchandra Prasad
 (5) Shashi Bhanu
74. Which of the following institutions is responsible for the supervision of RBI?
 (1) RBI
 (2) SEBI
 (3) NABARD
 (4) Union Ministry of Finance
 (5) Both 1 and 3
75. The scheme, titled 'Skill Graduate Scheme for Employment of Adolescent Boys,' is better known as
 (1) Swabharati
 (2) Saksham
 (3) Swachhat
 (4) Swachh Bharat
 (5) Swachhata
76. Which among the following states of India has the highest installed capacity of power?

- 11) Hirachal Pradesh
 12) Uttar Pradesh
 13) Maharashtra
 14) Gujarat
 15) Karnataka
77. Which of the following companies recently became the world's third largest employer of people in the technology sector?
 11) Intel
 12) Microsoft
 13) TCS
 14) Google
 15) Infosys
78. Which of the following was the first credit rating agency of India?
 11) CIBIL (C) Equifax
 12) CRISIL (D) ICRA
 13) Experian
79. Which among the following is the second largest state in India?
 11) Andhra Pradesh
 12) Madhya Pradesh
 13) Rajasthan
 14) Uttar Pradesh
 15) Maharashtra
80. What is the maximum amount that can be remitted through RTGS?
 11) Unlimited (C) 50 lakh
 12) 1 crore (D) 10 crore
 13) 25 crore
81. The word Panchajit made from two foreign words 'Panch' and 'Ajit'. 'Panch' means five, what does 'Ajit' mean?
 11) Land
 12) River
 13) Mountains
 14) Mountains
 15) Ocean
82. Which state whose leader was tagged recently as the Chief Minister of
 11) Assam (C) Manipur
 12) Tripura (D) Nagaland
 13) Mizoram
83. Why was Homi Bhabha's house in the recent news?
 11) It was auctioned for Rs. 375 crore
 12) The legal dispute over his house was won by Pakistan based relative of Homi Bhabha
 13) It was included in the tentative list of UNESCO World Heritage Site
 14) It was flooded and badly damaged in the flood basin in Mumbai
 15) None of these
84. Which company recently launched the cheap and low-power 4G LTE device?
 11) Apple (C) Microsoft
 12) Samsung (D) Toshiba
 13) Sony
85. Which of the following types of accounts are known as Thrift Account?
 12) Accounts which are Zero balance accounts
 13) Accounts which are opened to facilitate repayment of a loan taken from the bank. No other business can be conducted from them.
 14) Accounts in which shares of various companies are traded in electronic form
 15) Accounts which are operated through internet banking system
 16) None of these
86. Alice Munro recently won which award in literature?
 11) Nobel Prize
 12) Pulitzer Prize
 13) Man Booker Award
 14) Man Booker Award
 15) Man Booker Award
 16) Man Booker Award
 17) Man Booker Award
 18) Man Booker Award
 19) Man Booker Award
 20) Man Booker Award
87. The geographically distributed area of zone where the economic laws are more liberal as compared to other parts of the country is called
 11) ECU (C) SAC
 12) AEE (D) PTC
 13) None of these
88. In which of the fields is the Dadasaheb Phalke Award given?
 11) Cinema and Video
 12) Literature
 13) Sports
 14) Teaching and Training
 15) Dance and Music
89. Nirmala Sitharaman is presently serving as Minister of State for
 11) Ministry of Commerce & Industry
 12) Ministry of Finance and Corporate Affairs
 13) Ministry of Rural Development
 14) Ministry of Food and Civil Supplies
 15) Both 1 and 2
90. The 2014 Gandhi Peace Award was recently awarded to
 11) Charan Prasad Khuntia
 12) Anjali Mishra
 13) Kapendra Singh
 14) Madan Mohan
 15) UNESCO
91. Which among the following is a major contributor of the indicators for Economic and Peace?
 11) Human Development Index
 12) Happiness Index
 13) Global Peace Index
 14) Global Starvation Index
 15) All of the above
92. As per the 2011 Census, which of the following states of India has the second highest literacy rate?
 11) Madhya (C) Tripura
 12) Goa
 13) Hirachal Pradesh
 14) Kerala
93. Who was awarded the Galle Sachin Tendulkar Award for 2017?
 11) Asha Bhosle
 12) Gulzar
 13) Preeti
 14) A. R. Rahman
 15) Manoj Kumar
94. Mr. Lata Prasad Yadav recently joined hands with which party to form 'Which political party is Mr. Nitish Kumar from?'
 11) Samata Party
 12) Janata Dal
 13) Samajwadi Party
 14) Janata Dal United
 15) Bahujanya Janata Dal

98. Ethical Airways recently announced that it will cross deal with Jet Airways for the acquisition of 24 per cent stake in the latter. Ethical Airways is based in
- (1) Riyadh
 - (2) Dubai
 - (3) Abu Dhabi
 - (4) Kuala Lumpur
 - (5) Cairo
99. The largest shareholder of a nationalised bank is
- (1) RBI
 - (2) NABARD
 - (3) LIC
 - (4) Government of India
 - (5) PSU
100. Which of the following comes under the category of Development Banks?
- (1) Industrial Development Bank
 - (2) Agricultural Development Bank
 - (3) Housing Development Bank
 - (4) Export-Import Development Bank
 - (5) All of the above
101. CRR ratio is the ratio of deposits in which accounts of a bank to the total deposits?
- (1) Current accounts
 - (2) Saving accounts
 - (3) Recurring accounts
 - (4) Both 1 and 2
 - (5) Both 2 and 3
102. Which of the following restrictions apply for opening NRE-NRI by banks for individuals?
- (1) Age
 - (2) Income
 - (3) Assets
 - (4) Both 2 and 3
 - (5) None of these
103. Which among the following are not Commercial Papers in India?
- (1) Deposits
 - (2) Primary dealers
 - (3) All-India Financial Institutions
 - (4) Both 1 and 2
 - (5) All of the above