

The table shows the total no. of mails received in inbox by different users & the percentage of mails read by the users & the total no. of spam mails received in a month.

Users	Total no. of mails received in inbox	% of inbox mails read by user	Total no. of spam mails received
X	725	68%	88
Y	840	65%	82
Z	800	-	152
K	-	45%	92
L	580	-	76

**Note:**

1) Total no. of mails received = Total mails received in inbox + total no. of spam mail received

2) Spam mails are not read by user.

3) Some data are missing, calculate if necessary.

1. Average no. of mails received in inbox by user X, Y & K is 75% of average no. of spam mail received by user X, Y and K. Then find the total no. of mails received by user K?

- a. 492
- b. 528
- c. 426
- d. 482
- e. None of these

2. Inbox mails read by user Z is what percentage of total mails received in inbox of Z given that inbox mails read by user Z is 125% of total spam mails received by user K?

- a. 14.375%
- b. 19.25%
- c. 24.125%
- d. None of these
- e. 11.215%

3. Inbox mails read by user X & Y together is how much more/less than spam mails received by the same user together?

- a. None of these
- b. 939 more
- c. 728 less
- d. 869 more
- e. 829 more

4. Total no. of mails received by K is approximately what percent of inbox mails read by user X given that mails received in inbox by K is thrice of mails received in spam by X?

- a. 54%
- b. 62%
- c. 78%
- d. 68%
- e. 72%

5. Number of inbox mails which are not read by user Z is 150% more than mails received in spam by user X. Then find average of inbox mails read by user Z & Y?

- a. None of these
- b. 618
- c. 425
- d. 563
- e. 589

The following questions are accompanied by two statements (I) and (II). You have to determine which

statements(s) is/are sufficient/necessary to answer the questions.

Find the value of  $9^{\frac{1}{x}} + 9^{\frac{1}{y}}$  ? ( $y > x$ )

- I. The difference of inverse of x & y is  $\frac{8}{3}$ .
- II. the multiplication of x & y is 3.

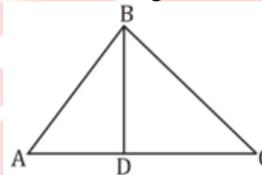
- 6.
  - a. Only I
  - b. Only II
  - c. Either I or II
  - d. Both I and II
  - e. None of the above

7. How many women are required to complete the work in 12 days.

$\left(\frac{6}{5}\right)^{\text{th}}$

- I. Efficiency of man is  $\left(\frac{6}{5}\right)^{\text{th}}$  of efficiency of woman.
- II. 16 men can complete the same work in 10 days.
  - a. Only I
  - b. Only II
  - c. Either I or II
  - d. Both I and II
  - e. None of the above

8. In the triangle ABC. Find  $\angle ABD$ ?



- I. Given that  $BC = CD$ .
- II.  $\angle ABC - \angle BAC = 30^\circ$

- a. Only I
- b. Only II
- c. Either I or II
- d. Both I and II
- e. None of the above

9. What is the C.I. on a sum at the end of 3 years?

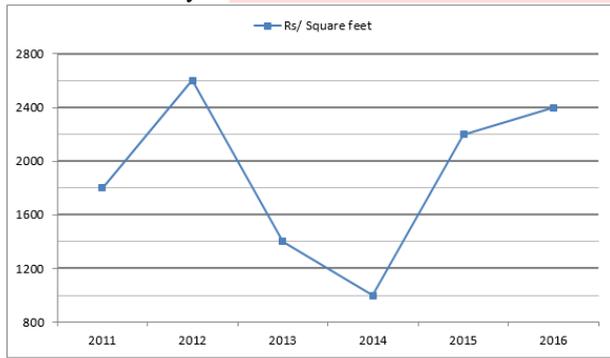
- I. C.I. at the end of two years is Rs. 110.
- II. Difference between CI and SI at the end of two year is Rs. 100 and rate percent is 10%.
  - a. Only I
  - b. Only II
  - c. Either I or II
  - d. Both I and II
  - e. None of the above

10. Two trains X and Y starts from point A and B respectively towards each other. What is the distance between them when they start?

- I. When both trains cross each other, time taken by train X to reach B is twice the time taken by train Y to reach A.
- II. Distance between them after 60 min. is 800 km.
  - a. Only I
  - b. Only II
  - c. Either I or II
  - d. Both I and II
  - e. None of the above

Study the given line graph carefully & answer the questions.

Line-graph given below shows the price per square feet of land in different years.



11. In 2015, if Rahul bought a plot of 1800 sq. feet. Then how much plot he has bought with the same amount in 2016?

- a. 1650 sq. feet
- b. 1720 sq. feet
- c. 1825 sq. feet
- d. None of these
- e. 1850 sq. feet

12. In 2016 if veer bought a plot 800 sq. feet & want to sell it in 2017 to earn profit of 20%. Then find the price per sq. feet in 2017 for same plot?

- a. Rs. 2250
- b. None of these
- c. Rs. 2730
- d. Rs. 2880
- e. Rs. 2460

13. If Satish bought 1840 sq. feet land in 2012 and Sandy bought 1640 sq. feet land in 2014. Then find ratio of amount spent by Satish in 2012 to amount spent by sandy in 2014?

- a. 3 : 5
- b. 205 : 598
- c. 598 : 205
- d. 538 : 207
- e. 598 : 305

14. If Ayush bought a plot in 2010 at a price  $\frac{3}{4}$  th of the price in 2013. Then, find difference of amount paid by Ayush to buy plot of 2240 sq. feet in 2010 and 2013.

- a. Rs. 8.28 lakh
- b. Rs. 4.84 lakh
- c. Rs. 5.64 lakh
- d. Rs. 6.28 lakh
- e. Rs. 7.84 lakh

15. If plot bought by Abhi in 2016 is 2420 sq. feet and plot bought by Roly in 2011 is 1640 sq. feet. Then find average of money spent by Abhi and Roly?

- a. Rs. 58.6 lakh
- b. Rs. 53.4 lakh
- c. None of these
- d. Rs. 43.8 lakh
- e. Rs. 48.2 lakh

16. When digits of a first two digit number are reversed, then the resulting number will become 75% of second two digit number. The difference of squares of tens digit and units digit of the second number is 20. Find the first number.

- a. 75
- b. 81
- c. 63

- d. 84
- e. 51

17. A vessel contains 25 liters petrol. 20% of the petrol is replaced by kerosene oil, after that 30% of the mixture is replaced by kerosene oil. Now, find the quantity of petrol in the final mixture is what percent of the quantity of petrol in the vessel initially.

- a. 63%
- b. 47%
- c. 51%
- d. 56%
- e. 67%

18. Aman can complete a piece of work in 36 days. Aman and Bhanu together can complete the same work in 20 days. If Chaman is working at 60% of Aman's efficiency, then find in how many days Aman, Bhanu and Chaman can complete the same work together.

- a. 15 days
- b. 19 days
- c. 9 days
- d. 26 days
- e. 18 days

19. A lighthouse is situated 30 km away from the shore. If ratio of time taken by boat to reach lighthouse during upstream and during downstream is 2 : 1, then find the ratio of speed of the boat to the speed of the stream.

- a. 1 : 3
- b. 3 : 1
- c. 5 : 3
- d. 3 : 5
- e. 4 : 7

20. Ratio of curved surface area of hemispherical bowl to curved surface area of conical tent is 6 : 5 and radius of bowl and tent is equal. Then, find the ratio of volume of conical tent to the volume of hemispherical bowl.

- a. 3 : 2
- b. 2 : 3
- c. 6 : 7
- d. 7 : 6
- e. 2 : 5

21. Average weight of 100 employees of a company is 60 kg. Average weight of male employees and female employees is 70kg and 45kg respectively. Then, find the ratio of male employees to female employees in the company.

- a. 1 : 4
- b. 4 : 1
- c. 7 : 6
- d. 6 : 7
- e. 3 : 2

22. A shopkeeper who sells same marked price shirts, announced an offer – if one buys two shirts then the buyer can buy the third shirt at the discounted price of Rs. 150. Ram took the offer and bought 12 shirts by paying Rs. 5,000 only. Find the overall discount percentage allowed by the shopkeeper.

- a.  $17\frac{16}{33}\%$
- b.  $29\frac{10}{33}\%$

- c.  $24\frac{8}{33}\%$
- d.  $36\frac{10}{33}\%$
- e.  $28\frac{8}{33}\%$

23. Five two – way pipes A, B, C, D & E can either fill the empty tank or can empty the full tank in 15 minutes, 18 minutes, 6 minutes, 16 minutes and 24 minutes respectively. All five pipes were opened simultaneously when the tank is empty. Then, find which combination of tank can fill 50% of the tank.

- a. A, B and D are filling pipes and C & E is emptying pipes.
- b. A and B are filling pipes and C and D are emptying pipes.
- c. E is filling pipe and B and C are emptying pipes.
- d. C is filling pipe and A, B & E are emptying pipes.
- e. None of the above.

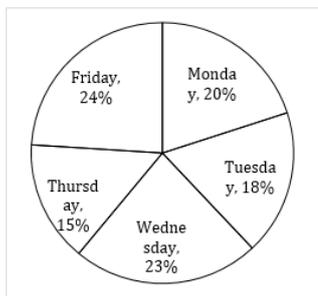
24. Two dices are rolled twice. Then, find the probability that the sum of the numbers on dices is divisible by 4.

- a.  $\frac{1}{4}$
- b.  $\frac{7}{36}$
- c.  $\frac{1}{6}$
- d.  $\frac{1}{3}$
- e.  $\frac{11}{36}$

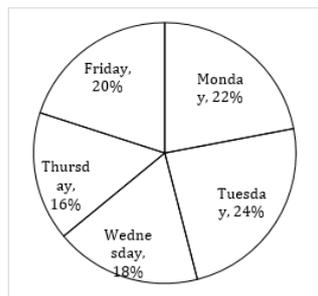
25. Aman & Bhanu invested Rs. 8,000 and Rs. 12,000 in a partnership firm. After 6 months, Aman further invested Rs. 12,000. Aman is entitled to 10% commission on profit before deducting tax and the remaining profit is shared between them in their capitals ratio after deducting 20% tax. Bhanu received a total of Rs. 5400 out of total profits at the end of a year. Then, find Aman's commission.

- a. Rs. 1655
- b. Rs. 1625
- c. Rs. 1695
- d. Rs. 1745
- e. None of the above

Given pie charts shows percentage distribution of quantity of waste (org + wet) produced (in Kg) on five days and percentage distribution of quantity of wet waste produced (in kg) on five days.



Waste (Dry + Wet) = 800 Kg



Waste (Wet) = 500 Kg

26. Dry waste produced on Saturday is 20% more than dry waste produced on Thursday. What is the quantity of dry waste produced on Monday and Saturday together?

- a. 80 kg
- b. 98 kg
- c. 120 kg
- d. 100 kg
- e. 95 kg

27. Dry waste produced on Tuesday is what percent of dry waste produced on Wednesday?

- a.  $12\frac{1}{47}\%$
- b.  $12\frac{12}{47}\%$
- c.  $23\frac{23}{47}\%$
- d.  $25\frac{25}{47}\%$
- e.  $25\frac{23}{47}\%$

28. What is the ratio of the dry waste produced on Friday to wet waste produced on Monday and Wednesday together?

- a. 23 : 50
- b. 14 : 51
- c. 13 : 47
- d. 50 : 23
- e. None of these

29. If on Sunday total waste produced is 120% more than the dry waste produced on Thursday and dry waste produced on Sunday is 20% less than dry waste produced on Monday. Find the quantity of wet waste produced on Sunday?

- a. 30 kg
- b. 38 kg
- c. 36 kg
- d. 24 kg
- e. None of these

30. Wet waste produced on Tuesday & Wednesday together is how much more than dry waste produced on Friday and Thursday together?

- a. 82 kg
- b. 96 kg
- c. 78 kg
- d. 88 kg
- e. None of these

31. Retailer marks up an article  $87\frac{1}{2}\%$  above its cost price

and he earned Rs. 250 when he gives  $33\frac{1}{3}\%$  discount. If he had sold that article at Rs 1200, then find the discount percent allowed by the shopkeeper.

- a.  $12\frac{1}{2}\%$
- b. 20%
- c. 36%
- d. 25%
- e. 30%

32. Present age of Deepak is  $16\frac{2}{3}\%$  more than Bhavya's present age. While 5 yrs ago, Deepak's age was twice than that of Bhavya's age at that time. Five years hence, twice the sum of ages of Deepak and Bhavya is equal to Harsh's age at that time. Then, find present age of Harsh.

- a. 46
- b. 43
- c. 41

- d. 42
- e. None of these

33. Honey can do 30% work in 9 days, Abhishek can do 8% work in 4 days. Then in how many days they can complete 80% of the work, if they starts working together.

- a. 18
- b. 12
- c. None of these
- d. 10
- e. 15

34. A train covers certain distance in two parts. Distance covered in first part is 100% more than the distance covered in second part while ratio of speed of train in first part to second part is 4 : 1. If average speed of train is 20 km/hr then, find the speed of train in first part? (in km/hr)

- a. 10 km/hr
- b. 40 km/hr
- c. 20 km/hr
- d. 25 km/hr
- e. 60 km/hr

35. Find the probability of forming a 4-digit number which is divisible by 3 using 2, 4, 6 and 5, repetition of numbers are not allowed.

- a. 0!
- b. 4!
- c. 5!
- d. None of these
- e. 3!

**Study the given passage and answer the following questions.**

There are three types of vehicles i.e. 3 Auto, 4 car & one truck which take rides. Distance covered by each type of vehicle per ride is same. Profit per ride of an auto and a car is given as Rs. 20 and Rs. 60 respectively. And total profit of truck in April month is given as Rs. 42000. Ratio of total ride per day of an auto to total ride per day of a car is 3 : 2. Ratio of per ride profit of a Truck to per ride profit of a Car is 70 : 27. And total profit is given as Rs 15920 per day.

36. What is difference in profit earned by all Cars and Truck in seven days?

- a. Rs. 56,440
- b. Rs. 54,120
- c. Rs. 64,120
- d. Rs. 72,240
- e. None of these

37. Profit made by Truck in two weeks is approximately what percent more or less than profit made in a week by all Auto?

- a. 29% more
- b. 34% less
- c. 24% more
- d. 39% less
- e. 43% more

38. What is the ratio of number of rides by single Car in four weeks to number of rides by Truck in two weeks?

- a. 44 : 9
- b. 22 : 9
- c. None of these
- d. 88 : 9
- e. 11 : 9

39. What is the average of profit made by all Car and all Auto in a week?

- a. Rs. 50,820
- b. Rs. 48,240
- c. Rs. 56,220
- d. None of these
- e. Rs. 64,120

40. What is the total profit of a single car, truck and auto in a day?

- a. Rs. 4860
- b. Rs. 5360
- c. Rs. 4240
- d. Rs. 5620
- e. None of these

**Study the following data related to the sales distribution of mobiles phones by five shopkeepers in June, 2017. Total sells of all five shopkeepers in June, 2017 is considered to be 100%.**

Shopkeeper	Total sold mobiles	Windows Phone : Android Phone
P	22%	7 : 11
Q	24%	3 : 7
R	1350	7 : 8
S	18%	11 : 9
T	21%	9 : 5

41. Find the total number of Windows phone sold by P and Q together ?

- a. 1814
- b. 1418
- c. 1481
- d. 1148
- e. None of these

42. Android phones sold by S are by what number more or less than the windows phones sold by R (rounded upto two decimal places)?

- a. 20.05%
- b. 12.21%
- c. 18.54%
- d. 15.71%
- e. 23.35%

43. The sells of Q and S increased by  $5\frac{5}{9}\%$  and  $3\frac{19}{27}\%$  respectively in July 2017 than previous month. Find the total mobiles sold by Q and S in July, 2017 ?

- a. 3690
- b. 3660
- c. 3960
- d. 3990
- e. None of these

44. Find the ratio of number of Windows phones sold by P to that of Window phones sold by R.

- a. 11 : 9
- b. 4 : 9
- c. 5 : 9
- d. 5 : 8
- e. None of these

45. Find the difference in the average of Windows phones sold by P and Q and average of Android phones sold by S and T.
- 20
  - 30
  - 40
  - 5
  - None of these

What should come in place of the question mark (?) in the following number series?

46. 2, 6, 25, 96, 285, 568, ?

- 667
- 567
- 846
- 776
- None of these

47. 3, 5, 17, 53, 133, ?

- 283
- 263
- 258
- 203
- None of these

48. 4, 6, 12, ?, 90, 315, 1260

- 18
- 26
- 20
- 30
- None of these

49. 17, 24, 33, ?, 57, 72, 89

- 44
- 38
- 43
- 54
- None of these

50. 1, 4, 27, 16, ?, 36, 343

- 25
- 125
- 64
- 16
- None of these

Read the table carefully and answer the question.

A school has five classes as shown in the table. All the students study in these five classes in year 2010. The ratio of number of boys to number of girls is given in the table. Percentage of total students in each class is given. Some data are missing. Find the missing data where necessary to solve the question.

Class	Percentage of students	Boys : Girls
I	21%	3 : 1
II	25%	3 : 2
III	—	5 : 3
IV	24%	5 : 3
V	12%	1 : 3

51. The number of girls in class V is 144 more than the number of boys in class V, then find the total number of boys and girls in class III ?

- 864
- 964
- 750
- 764
- None of these

52. If total students in class III is 5832, then find the percentage of girls in class I to that of boys in class II ?

- 155%
- 167%
- 187%
- 120%
- None of these

53. If the total student in class IV is 500, and the total student is increased by 20% in year 2011 from that of year 2010 in class IV, then find the difference of boys and girls in year 2011 ?

- 400
- 520
- 420
- Cannot be determined
- None of these

54. If 10 boys and 10 girls who are extraordinary in class I are promoted to class II. Then ratio in class II changes from 3 : 2 to 55 : 37. Find the total number of boys and girls in class I after promotion ?

- 360
- 456
- 560
- 856
- 736

55. If one-third of the total student of class V are transferred to class IV which is 120, then find the total number of student in class IV after transfer?

- 240
- 840
- 600
- 940
- None of these

In each of these questions two equations numbered I & II are given. You have to solve both the equations and give answer

I.  $a^2 + 5a + 6 = 0$

56. II.  $b^2 + 3b + 2 = 0$

- if  $a < b$
- if  $a > b$
- if relationship between a & b cannot be established
- if  $a \geq b$
- if  $a \leq b$

I.  $2a^2 + 3a + 1 = 0$

57. II.  $12b^2 + 7b + 1 = 0$

- if  $a < b$
- if  $a > b$
- if relationship between a & b cannot be established
- if  $a \geq b$
- if  $a \leq b$

I.  $a^2 = 4$   
 II.  $b^2 = 9$

58. a. if  $a < b$   
 b. if  $a > b$   
 c. if relationship between  $a$  &  $b$  cannot be established  
 d. if  $a \geq b$   
 e. if  $a \leq b$

I.  $6a^2 - 25a + 25 = 0$   
 II.  $15b^2 - 16b + 4 = 0$

59. a. if  $a < b$   
 b. if  $a > b$   
 c. if relationship between  $a$  &  $b$  cannot be established  
 d. if  $a \geq b$   
 e. if  $a \leq b$

I.  $4a^2 - 20a + 21 = 0$   
 II.  $2b^2 - 5b + 3 = 0$

60. a. if  $a < b$   
 b. if  $a > b$   
 c. if relationship between  $a$  &  $b$  cannot be established  
 d. if  $a \geq b$   
 e. if  $a \leq b$

61. A, B and C started a business by investing Rs. 20000, Rs. 28000 and Rs. 36000 respectively. After 6 months, A and B withdrew an amount of Rs. 8,000 each and C invested an additional amount of Rs. 8,000. All of them invested for equal period of time. If at the end of the year, C got Rs. 12,550 as his share of profit, what was the total profit earned?  
 a. Rs. 25,100  
 b. Rs. 26,600  
 c. Rs. 24,300  
 d. Rs. 22,960  
 e. Rs. 21,440

62. A tank has two inlets: P and Q. P alone takes 6 hours and Q alone takes 8 hours to fill the empty tank completely when there is no leakage. A leakage was caused which would empty the full tank completely in 'X' hours when no inlet is opened. Now, when only inlet P was opened, it took 15 hours to fill the empty tank completely. How much time will Q alone take to fill the empty tank completely? (in hours)  
 a. 40 hours  
 b. 36 hours  
 c. 30 hours  
 d. 42 hours  
 e. 38 hours

63. The sum invested in Scheme B is thrice the sum invested in Scheme A. Investment in Scheme A is made for 4 years at 8% p.a. simple interest and in Scheme B for 2 years at 13% p.a. simple interest. The total interest earned

from both the schemes is Rs. 1,320. How much was invested in Scheme A?

- a. Rs. 1,200  
 b. Rs. 1,140  
 c. Rs. 960  
 d. Rs. 1,500  
 e. Rs. 840

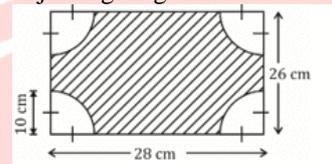
64. A person has to travel from point A to point B in certain time. Travelling at a speed of 5 km/h he reaches 48 min late and while travelling at a speed of 8 km/h he reaches 15 min early. What is the distance from point A to B?

- a. 15 km  
 b. 9 km  
 c. 12 km  
 d. 18 km  
 e. 14 km

65. A bag contains 3 red balls, 5 yellow balls and 7 pink balls. If one ball is drawn at random from the bag, what is the probability that it is either pink or red?

- a.  $1/7$   
 b.  $2/3$   
 c.  $4/9$   
 d.  $5/7$   
 e. None of these

66. Find the perimeter and area of the shaded portion of the adjoining diagram:



- a. 90.8 cm, 414  $\text{cm}^2$   
 b. 181.6 cm, 423.7  $\text{cm}^2$   
 c. 90.8 cm, 827.4  $\text{cm}^2$   
 d. 181. cm, 827.4  $\text{cm}^2$   
 e. None of these

67. An article is sold at  $12\frac{1}{2}\%$  profit. If its CP and SP are increased by Rs. 10 and Rs. 2 respectively, the percentage of

profit decreases by  $7\frac{1}{2}\%$ . Find the cost price.

- a. Rs.  $116\frac{2}{3}$   
 b. Rs.  $114\frac{1}{3}$   
 c. Rs.  $113\frac{1}{3}$   
 d. Rs.  $113\frac{2}{3}$   
 e. none of these

68. At IIM Bangalore, 60% of the students are boys and the rest are girls. Further 15% of the boys and 7.5% of the girls are getting a fee waiver. If the number of those getting a fee waiver is 900, find the total number of students getting 50% concession if it is given that 50% of those not getting a fee waiver are eligible to get half fee concession ?

- a. 3600
- b. 2800
- c. 3200
- d. 3300
- e. None of these

69. Three equal cubes are placed adjacently in a row. Find the ratio of total surface area of the new cuboid to that of the sum of the surface areas of the three cubes.

- a. 7 : 9
- b. 49 : 81
- c. 9 : 7
- d. 27 : 23
- e. None of these

70. A precious stone weighing 35 grams worth Rs. 12,250 is accidentally dropped and gets broken into two pieces having weights in the ratio of 2 : 5. If the price varies as the square of the weight then find the loss incurred.

- a. Rs. 5750
- b. Rs. 6000
- c. Rs. 5500
- d. Rs. 5000
- e. None of these

**Study the following information carefully and answer the questions given below.**

Neeraj scored 68% marks in chemistry where as score of gourav in the same subject is 42 which is  $\frac{14}{17}$  of neeraj in chemistry. Neeraj scored 60% marks in English which is 15 less than the marks of gourav in the same subject. The maximum marks in English are 150.

The ratio between the marks of gourav and neeraj in Biology is 10:9, where as the difference in their marks in Biology is 4. The maximum marks of biology are half of the maximum marks of maths. Neeraj scored 60 marks in physics which is 5 more than marks of gourav in same subject . The maximum marks of physics is equal to the maximum marks of chemistry. Maximum marks of maths are 100, and sum of gourav and neeraj scores in maths is 181 and the difference of the same is 11(gourav scored more in maths as compared to neeraj)

71. What is the ratio of score of gourav in physics to the score of neeraj in physics and English together?

- a. 11:27
- b. 11:30
- c. 11:35
- d. 11:31
- e. None of these

72. Score of gourav in English is what percent more than the score of gourav in biology?

- a. 62.5%
- b. 112.5%
- c. 162.5%
- d. 262.5%
- e. None of these

73. Find the overall percentage of gourav, taking marks of all subjects together.

- a.  $75\frac{1}{9}$
- b.  $75\frac{2}{9}$
- c.  $75\frac{3}{9}$

- d.  $75\frac{4}{9}$
- e. None of these

74. Marks of neeraj in biology is how much more or less than the marks of gourav in chemistry?

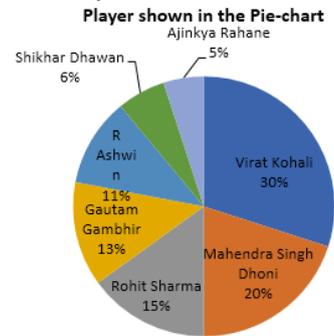
- a. 6 marks less
- b. 6 marks more
- c. 4 marks more
- d. 4 marks less
- e. None of these

75. What is the average score of neeraj in all subjects?

- a. 64.6
- b. 64.4
- c. 64.2
- d. 64
- e. None of these

**Study the following pie chart carefully and answer the questions given below.**

Statistics of a survey on the Indian Cricket team for Most Popular



**Conducted on survey of 30000 people**

76. What is the total number of people who have voted for Virat Kohali and Gautam Gambhir together ?

- a. 11900
- b. 12300
- c. 12500
- d. 12900
- e. None of these

77. What is the difference between the total number of people who have voted for Shikhar Dhawan and Ajinkya Rahane ?

- a. 150
- b. 200
- c. 300
- d. 350
- e. None of these

78. People who have voted for R. Ashwin are approximately, what per cent of the people who have voted for Virat Kohali ?

- a. 48%
- b. 35%
- c. 46%
- d. 37%
- e. None of these

79. Out of the total population in survey, how many people have given vote for Ajinkya Rahane ?

- a. 1600
- b. 1800

- c. 1500
- d. 1700
- e. None of these

80. What is the respective ratio of the number of people, who have given vote for Shikhar Dhawan to the number of people who have given voted for Rohit Sharma?

- a. 2 : 5
- b. 3 : 5
- c. 2 : 3
- d. 5 : 3
- e. None of these

81. Rohan pick up Sohan from college at 3:30 pm. One day Sohan left the college at 2:30 pm, and start walking to home at 6 km/hr. He meets Rohan in the way who start at his normal time and reach home 24 minutes earlier than usual. Find Rohan's speed.

- a. 24 km/h
- b. 66 km/h
- c. 6 km/h
- d. 36 km/h
- e. None of the above

82. The speed of a boat in still water is 24kmph and the speed of the stream is 4kmph. The time taken by the boat to travel from A to B downstream is 36 minutes less than the time taken by the same boat to travel from B to C upstream. If the distance between A and B is 4 km more than the distance between B and C, what is the distance between A and B?

- a. 112 km
- b. 140 km
- c. 56 km
- d. 84 km
- e. 28 km

83. A bus meets with an auto at 10:00 am while going the same way in the same direction towards Haridwar. The Bus reach at Haridwar at 12:30 p.m. and take 1 hour rest at there. Bus return on the same way and meet with the same auto half an hour later. At what time the auto will reach at Haridwar?

- a. 3 pm
- b. 4 pm
- c. 3:30 pm
- d. 5 pm
- e. None of the above

84. A can finish a piece of work in 24 days, B in 9 days and C in 12 days. B and C start the work but are forced to leave after 3 days. The remaining work was done by A in :

- a. 5 days
- b. 6 days
- c. 10 days
- d.  $10\frac{1}{2}$  days
- e. none of these

85. Three taps, P, Q and R separately can fill a tank completely in 4, 8 and 12 hours respectively. An another taps S can empty the filled tank in 10 hours. Which

technique among the following will fill the empty tank in least time.?

- a. Q opened alone
- b. P and S are opened
- c. P, R and S are opened
- d. P, Q and S are opened
- e. R and S are opened

Following line graph shows the percentage profit earned by two companies 'Walmart' and 'Big Bazar' during the period of 2007 to 2013:



86. If the expenditure of walmart and Big Bazar in year 2008 was 16.5 lakh and 20.8 lakh respectively then what was the income of walmart and Big Bazar together in year 2008?

- a. 46.46 lakh
- b. 60.47 lakh
- c. 48.5 lakh
- d. 49.38 lakh
- e. None of these

87. If the income of walmart in 2011 and that of Big Bazar in 2010 are Rs 24.36 lakh and Rs 18.36 lakh respectively then what is the total expenditure of walmart in 2011 and Big Bazar in 2010?

- a. 30.4 lakh
- b. 31.2 lakh
- c. 32.8 lakh
- d. 33.5 lakh
- e. 34.6 lakh

88. If the expenditure of walmart in 2009 and income of Big Bazar in 2013 are equal then what will be the ratio of income of walmart in 2009 and expenditure of Big Bazar in 2013?

- a. 5:4
- b. 25:16
- c. 1:1
- d. Can't be calculated
- e. none of these

89. If the expenditure of walmart in 2012 and Big Bazar in 2009 are equal then the income of walmart in 2012 is approximately what percentage of income of Big Bazar in 2009?

- a. 88.9%
- b. 96%
- c. 112.5%
- d. 118.5%
- e. 122.5%

90. In which of the following years the percentage rise/fall in percent profit of Big Bazar is maximum compare to its previous year?

- a. 2008

- b. 2009
- c. 2010
- d. 2011
- e. 2012

91. A vessel contains a mixture of Grape, Pineapple and Banana juices in the respective ratio of 4 : 6 : 5. 15 litres of this mixture is taken out and 8 litres of grape juice and 2 litres of pineapple juice is added to the vessel. If the resultant quantity of grape juice is 10 litres less than the resultant quantity of pineapples juice, what was the initial quantity of mixture in the vessel ? (in litres)

- a. 120
- b. 150
- c. 105
- d. 135
- e. 90

92. Monthly salaries of Pia and Som are in the respective ratio of 5 : 4. Pia, from her monthly salary, gives  $\frac{3}{5}$  th to her mother. 15% towards her sister's tuition fees, 18% towards a loan and she shops with the remaining amount which was Rs. 2100. What is the monthly salary of Som ?

- a. Rs. 25000
- b. Rs. 30000
- c. Rs. 15000
- d. Rs. 20000
- e. Rs. 24000

93. A candidate who gets 20% marks in an examination fails by 30 marks but another candidate who gets 32% gets 42 marks more than the pass mark. Then, the percentage of pass marks is

- a. 52%
- b. 50%
- c. 33%
- d. 25%
- e. None of these

94. 8% of the voters in an election did not cast their votes. In this election, there were only two candidates. The winner by obtaining 48% of the total votes defeated his contestant by 1100 votes. The total number of voters in he election was

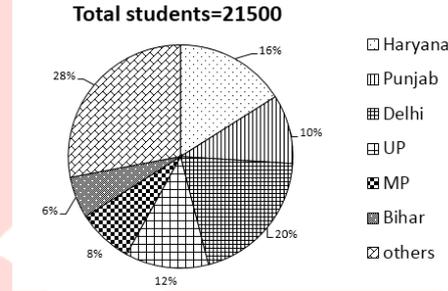
- a. 21000
- b. 23500
- c. 22000
- d. 27500
- e. None of these

95. Mr. Phanse invests an amount of Rs. 24,000 at the rate of 4 p.c.p.a for 6 years to obtain a simple interest. Later he invests the principal amount as well as the amount obtained as simple interest for another 4 years at the same rate of interest. What amount of simple interest will he obtain in the last 4 years ?

- a. Rs. 4,800
- b. Rs. 4850.32
- c. Rs. 4801.28
- d. Rs. 4,700
- e. Rs. 4761.6

Given below is the percentage distribution of the number of students enrolled in a bank entrance exam . The table shows the Graduates: Post graduates ratio and corresponding percent males in each category . On the

base of this information ,answer the questions given below:



State	Graduates : Post graduates	% Male students in Graduates	% male students in Post graduates
Haryana	23:20	45%	60%
Punjab	30:13	65%	40%
Delhi	15:28	34%	48%
UP	21:22	55%	65%
MP	27:16	40%	55%
Bihar	33:10	80%	77%
Others	28:15	45%	74%

96. What is the difference between male postgraduates from Haryana and Punjab together and female graduates from MP and Bihar together ?

- a. 350
- b. 370
- c. 374
- d. 375
- e. None of these

97. What is the ratio of female post graduates of Haryana to male post graduates of Punjab.

- a. 33 : 13
- b. 32 : 13
- c. 32 : 15
- d. 34 : 19
- e. None of these

98. From which state, the difference between male graduates and female graduates, enrolled in the exam is second maximum ?

- a. Bihar
- b. Punjab
- c. Haryana
- d. MP
- e. None of these

99. Total male students enrolled in the exam from Delhi is approximately what percent of total female students from the same state ?

- a. 73%
- b. 74%
- c. 79%
- d. 76%
- e. 81%

100. Post graduate male from 'others' is how much percent more than the graduate females from MP ?

- a. 139.81%
- b. 145.75%
- c. 144%
- d. 146.72%
- e. 148.89%

