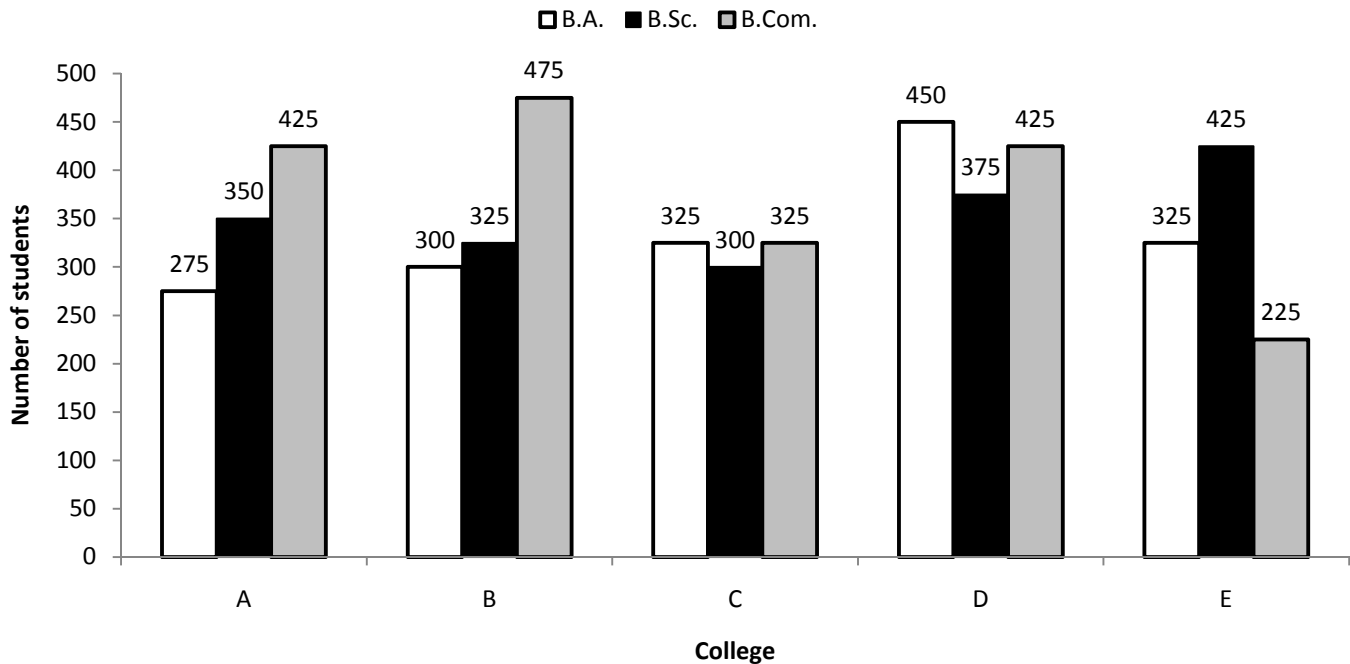


1. The product of two consecutive even numbers is 9408. Which is the greater of the two numbers?
1) 96 2) 98 3) 94 4) 92 5) None
2. What is 27% of 36 % of $\frac{5}{9}$ th of 4500?
1) 239 2) 241 3) 243 4) 245 5) None
3. The simple interest accrued on an amount of Rs. 40,000 at the end of three years is Rs. 12,000. What would be the compound interest accrued on the same amount at the same rate in the same period?
1) Rs. 18,765 2) Rs. 15,350 3) Rs. 21,555 4) Rs. 13,240 5) None
4. If the numerator of a fraction is increased by 300% and the denominator is increased by 100% the resultant fraction is $1\frac{11}{19}$. What was the original fraction?
1) $\frac{15}{19}$ 2) $\frac{13}{19}$ 3) $\frac{5}{9}$ 4) $\frac{4}{9}$ 5) None
5. 42 women can do a piece of work in 18 days. How many women would be required do the same work in 21 days?
1) 36 2) 24 3) 30 4) 44 5) None
6. The ages of Sulekha and Arunima are in the ratio of 9:8 respectively. After 5 years the ratio of their ages will be 10:9. What is the difference in years between their ages.
1) 4 years 2) 5 years 3) 6 years 4) 7 years 5) None
7. By how much is $\frac{3}{7}$ th of 568 lesser than $\frac{7}{8}$ the of 1008?
1) 444 2) 448 3) 452 4) 456 5) None
8. Which number should replace both question marks in the following equation?
$$\frac{?}{171} = \frac{76}{?}$$

1) 114 2) 116 3) 57 4) 176 5) None
9. Wishakha spent Rs. 68,357 on the renovation for her home, Rs. 25,675 on buying music system and the remaining 28% of the total amount she had as cash with her. What was the total amount?
1) Rs. 94,032 2) Rs. 36,568 3) Rs. 1, 30,600 4) Cannot be determined
5) None

10. Five-sixth of a number is 720. What will 45% of that number be?
 1) 346.6 2) 388.6 3) 392.2 4) 344.4 5) None

Directions (11-15): Study the following graph carefully to answer the questions that follow:
Number of Students Enrolled in Three Different Discipline in Five Different Colleges



11. What is the total number of students studying B. Sc. in all Colleges together?
 1) 1825 2) 1975 3) 1650 4) 1775 5) None
12. What is the respective ratio of total number of students studying B.Sc. in the colleges C and E together to those studying B.A. in the Colleges A and B together?
 1) 24:23 2) 25:27 3) 29:23 4) 29:27 5) None
13. What is the respective ratio of total number of students studying B.Sc., B.A. and B.Com in all the Colleges together?
 1) 71:67:75 2) 67:71:75 3) 71:68:75 4) 75:71:68 5) None
14. Number of students studying B.Com in College C forms approximately what percent of the total number of students studying B.Com. in all colleges together?
 1) 39 2) 21 3) 44 4) 33 5) 17

15. Number of students studying B.A. in College B forms what per cent studying all the disciplines together in that College? (rounded off two digits after decimal)
- 1) 26.86 2) 27.27 3) 29.84 4) 32.51 5) None

Directions (16-20): Study the table carefully to answer the questions that follow:

Number of people selecting six different Products and the Percentage of Men, Women and Children in selecting those products				
Product	Total Number of People	Percentage of		
		Men	Women	Childrens
A	45525	20	44	36
B	36800	39	63	28
C	56340	45	30	25
D	62350	38	28	34
E	48300	21	44	35
F	35580	15	35	50

16. What is the respective ratio of total number of men selecting product B to those selecting product E?
- 1) 69:49 2) 7:5 3) 208:147 4) 1040:739 5) None
17. Number of men selecting product C forms what percent of those selecting product F?(Rounded off to two digits after decimal)
- 1) 21.05 2) 475.04 3) 25.56 4) 460.08 5) None
18. Total number of women selecting product E forms approximately what percent of the total number of people selecting all the products together?
- 1) 11 2) 15 3) 20 4) 2 5) 7.5
19. What is the total number of children selecting product A?
- 1) 14085 2) 5337 3) 20031 4) 16389 5) None
20. What is the approximate average number of women selecting all products together?
- 1) 46707 2) 16686 3) 16531 4) 16429 5) 16311

Directions (121-125): Study the table carefully to answer the questions that follow:
Number of Students Appeared and Passed in the Annual examination of a school from Five Classes

Years	CLASSES									
	VI		VII		VIII		IX		X	
	App	Pass	App	Pass	App	Pass	App	Pass	App	Pass
2002	78	65	72	64	92	80	64	54	65	61
2003	67	42	66	52	78	72	56	51	60	56
2004	88	81	64	50	68	63	74	69	74	70
2005	92	79	53	38	55	41	69	66	80	72
2006	60	54	58	44	58	45	88	78	88	76
2007	64	56	48	40	46	38	52	40	90	88
2008	78	54	80	76	76	68	66	62	68	56

21. What is the ratio of the number of passed students to total number of students not passed for the year 2007?
1) 131:79 2) 3:19 3) 19:3 4) 131:13 5) None
22. What is the average number of candidates not passed from class VII over the given years?
1) 9 2) 11 3) 17 4) 13 5) 19
23. Which class has maximum percent of Pass Students over the years?
1) VI 2) VII 3) VIII 4) IX 5) X
24. Percentage of candidates passed over appeared from class IX is the highest during which of the years?
1) 2001 2) 2003 3) 2005 4) 2007 5) None
25. What is the total number of candidates passed from all the classes together in the year 2005?
1) 296 2) 316 3) 262 4) 324 5) None

Directions (26-30): What **approximate** value should come in place of question mark (?) in the following questions? (You are expected to calculate the exact value.)

26. $(11.49)^4 = ?$
1) 15544 2) 16729 3) 17430 4) 18443 5) 19031
27. $(2198 - 1347 - 403) \div (159 - 113 - 27) = ?$
1) 15 2) 24 3) 37 4) 49 5) 53
28. $(825\% \text{ of } 330) \div 507 = ?$
1) 5 2) 11 3) 17 4) 23 5) 27
29. $\sqrt{888888} \times 1.486 = ?$
1) 1200 2) 1000 3) 1600 4) 1400 5) 800
30. $564.666 + 82.5091 \times 44.581 - 34.111 = ?$
1) 28450 2) 4000 3) 1600 4) 14225 5) 4210

Directions (31-35): What should come in place of question mark (?) in the following number series?

31. 40280625 732375 16275 465 18.6 1.24 ?
1) 0.248 2) 0.336 3) 0.424 4) 0.512 5) 0.639
32. 14 12 21 59 231 1149 ?
1) .6987 2) 6787 3) 6887 4) 6687 5) 6587
33. 1728 2744 4096 5832 8000 10648 ?
1) 12167 2) 13824 3) 15625 4) 9261 5) 17576
34. 120 15 105 17.5 87.5 ?
1) 18.5 2) 19.5 3) 21.875 4) 17.5 5) 90
35. 36 21 28 55 66 ? 120
1) 103 2) 104 3) 108 4) 106 5) 105

Directions (36-45): What should come in place of question mark (?) in the following question?

36. $6\frac{2}{3} + 3\frac{3}{5} + 3\frac{3}{6} = ?$
1) 15 2) $15\frac{11}{20}$ 3) $14\frac{1}{10}$ 4) 14 5) None
37. $[(165)^2 \div 75 \times 12] \div 36 = (?)^2$
1) 13 2) 169 3) 121 4) 11 5) None
38. $(32)^{20} \div (32)^5 = ?$
1) $(32)^{100}$ 2) $(32)^4$ 3) $(32)^{25}$ 4) $(32)^{15}$ 5) None
39. $52.901 - 17.563 - 7.731 - 0.690 = ?$
1) 23.971 2) 26.917 3) 28.971 4) 31.917 5) None
40. ?% of 762 + 44% of 568 = 524.24
1) 24 2) 36 3) 4/8 4) 60 5) None
41. $\sqrt{\sqrt{44944} + \sqrt{52441}} = ?$
1) 312 2) 441 3) 485 4) 17 5) None
42. $345 + 25 \times 0.80 - 11 = ?$
1) 354 2) 666 3) 324 4) 600 5) None
43. $(24.8\% \text{ of } 338) - (15.5\% \text{ of } 945) = ?$
1) 187.349 2) 185.349 3) 183.349 4) 181.349 5) None
44. $(76.32)^2 - (28.82)^2 = ?$
1) 5014.25 2) 4975 3) 4994.15 4) 5000 5) None
45. $\{(45)^3 + (65)^2\} \div ? = 1907$
1) 80 2) 70 3) 60 4) 50 5) None

Directions (46-50): Each question below is followed by two statements A and B. You are to determine whether the data given in the statement is sufficient for answering the question. You should use the data and your knowledge of Mathematics to choose between the possible answers.

Give answer (1) if the statement A alone is sufficient to answer the question, but the statement B alone is not sufficient.

Give answer (2) if the statement B alone is sufficient to answer the question, but the statement A alone is not sufficient.

Give answer (3) if both statements A and B together are needed to answer the question.

Give answer (4) if either the statement A alone or statement B is not sufficient to answer the question.

Give answer (5) if you cannot get the answer from the statements A and B together, but need even more data.

46. Is A an odd number?
A. A multiplied by an odd number is equal to an odd number.
B. A is not divisible by 2.
47. The ages of Pradumn and Gunit are in the ratio of 7:5. What is the age of Pradumn?
A. The ages of Pradumn and nandhini are in the ratio of 3:1.
B. After 7 years the ratio of Pradumn's and Aviral's ages will be 4:3.
48. What is the salary of B, in a group of A, B, C and D whose average salary is Rs. 62,880?
A. Total of the salary of A and C is exact multiple of 8.
B. Average of the salary of A, C and D is Rs. 61,668.
49. What is the three digit number?
A. The three digit number is divisible by 9.
B. The first and the third digit is 6.
50. What is the profit earned by selling a printer for Rs. 3,000?
A. The cost price of 6 such printers is equal to selling price of 5 such printers
B. 20% profit is earned by selling each printer.