

# DATA INTERPRETATION

(Directions: 1-5) The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.

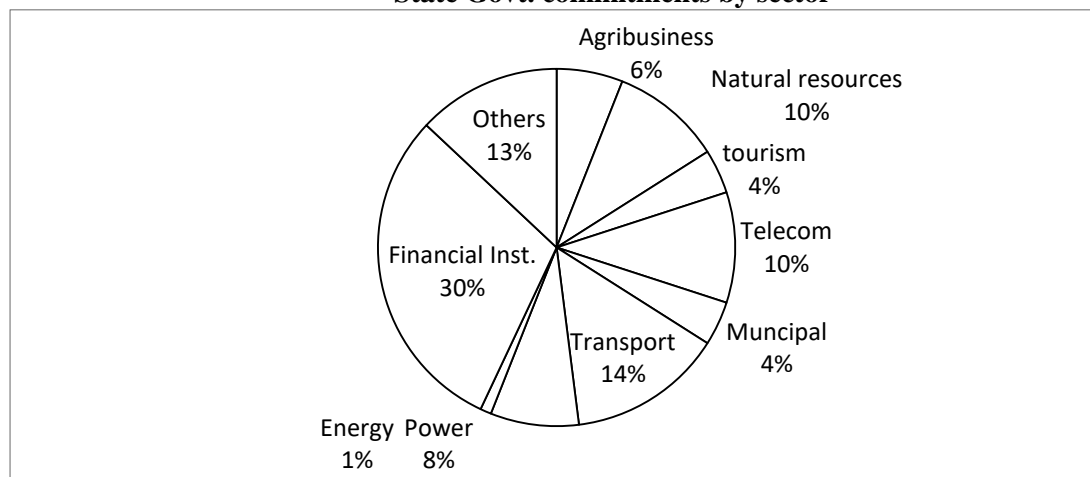
The Numbers in the Brackets give the Maximum Marks in Each Subject.

Student	Subject (Max. Marks)					
	Maths	Chemistry	Physics	Geography	History	Computer Science
	(150)	(130)	(120)	(100)	(60)	(40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

- What are the average marks obtained by all the seven students in Physics? (rounded off to two digit after decimal)  
 (a) 77.26                      (b) 89.14                      (c) 91.37                      (d) 96.11
- The number of students who obtained 60% and above marks in all subjects is?  
 (a) 1                              (b) 2                              (c) 3                              (d) None
- What was the aggregate of marks obtained by Sajal in all the six subjects?  
 (a) 409                          (b) 419                          (c) 429                          (d) 449
- In which subject is the overall percentage the best?  
 (a) Maths                      (b) Chemistry                      (c) Physics                      (d) History
- What is the overall percentage of Tarun?  
 (a) 52.5%                      (b) 55%                      (c) 60%                      (d) 63%

Directions: (Q 6-10) Read the pie graph and answer the following questions:

**State Govt. commitments by sector**



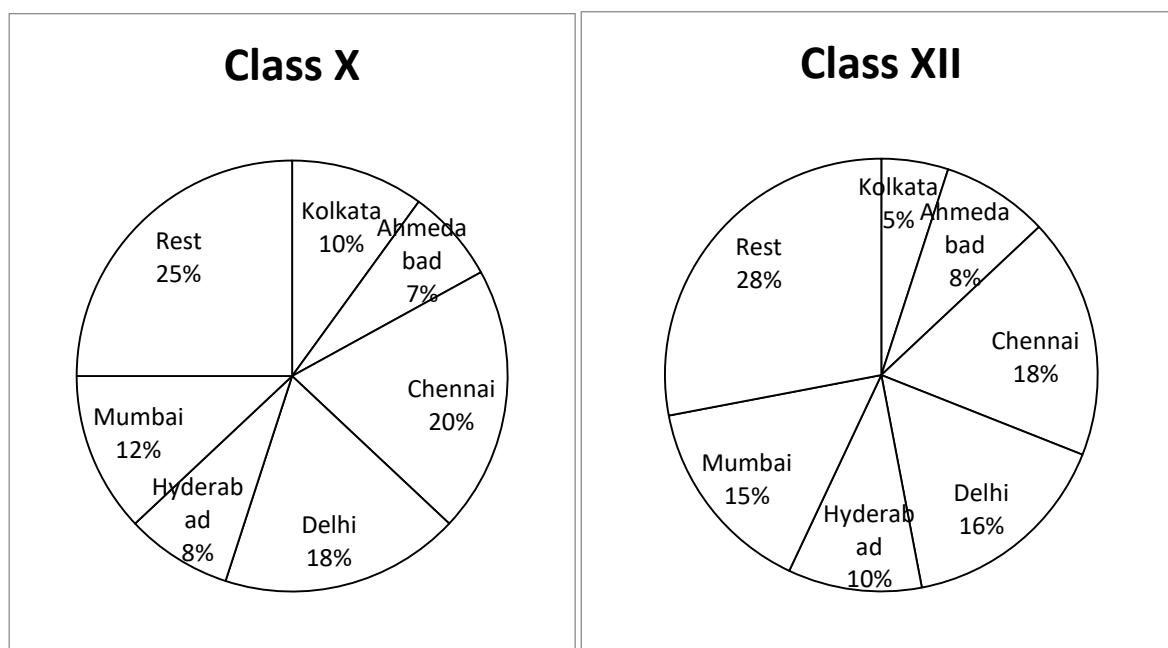
**Total Expenditure = 7200 crores (Year 2006-07)**

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6. What is the expenditure on power and energy?  
 (a) 648 crore (b) 534 crore (c) 576 crore (d) 676 crore
7. What percent of the expenditure on other sectors is the expenditure on transport?  
 (a) 93.4% (b) 107.6% (c) 112.4% (d) 89.3%
8. What is the value of the maximum difference between the expenditure of any two of the sectors?  
 (a) 3456 crores (b) 2574 crores (c) 1980 crores (d) 2088 crores
9. What is the average expenditure per sector of the four biggest sectors?  
 (a) 1206 crore (b) 1472 crore (c) 1398 crore (d) 1425 crore
10. What is the ratio of the sum of expenditures on natural resources and energy sector to the expenditure on financial institutions?  
 (a) 13 : 30 (b) 7 : 15 (c) 11 : 30 (d) 17 : 15

**Directions: (Q 11-15) The pie graph and answer the following answer:**

The following pie charts show the percentage number of students passed in CBSE's X and XII examinations in 2003 from different cities:



The following table shows the ratio of the number of boys and girls passing from different cities.

City	X		XII	
	Boys	Girls	Boys	Girls
Delhi	2	3	3	5
Kolkata	9	8	7	8
Mumbai	4	7	3	5
Chennai	13	11	9	7
Ahmedabad	7	5	4	7
Hyderabad	12	13	5	8
Rest	5	9	7	8

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11. In X exam, if there are 1000 girls passing from Ahmedabad, then find the approx number of boys passing from Chennai in the same exam.

- (a) 3715                      (b) 3430                      (c) 3750                      (d) Data Inadequate

12. If 9000 students passed in XII exam from Mumbai, then find the number of girls passing from Delhi in the same exam.

- (a) 9600                      (b) 5760                      (c) 6000                      (d) Data Inadequate

13. Which of the following cities shows the maximum percentage of girls passing (with respect to total students passing in that city) in X examination?

- (a) Delhi                      (b) Mumbai                      (c) Chennai                      (d) Rest

14. If the difference between number of boys passing from Chennai and that from Delhi in XII exam is 3630, find the total number students passed in XII exam in 2003.

- (a) 72000                      (b) 88000                      (c) 90000                      (d) Can't say

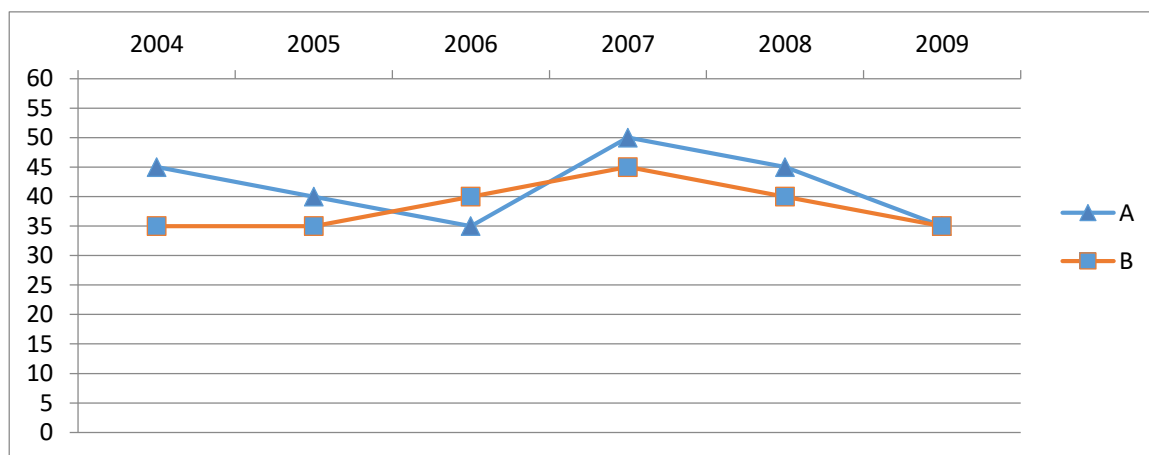
15. In X exam, if 1.20 lakh students pass, then what will be the approx number of boys passing in the remaining part of the country?

- (a) 10700                      (b) 10720                      (c) 10740                      (d) 10680

**DIRECTIONS(Q16 to Q20)-** Study the following graph carefully to answer the questions:

### PERCENT PROFIT EARNED BY TWO COMPANIES OVER THE YEARS

$$\text{Percent profit} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$



16. If the income of company A in the year 2007 was Rs. 6.3 lakh, what was the expenditure in that year?

- (a) Rs 4,20,000                      (b) Rs 3,25,000                      (c) Rs 5,16,500                      (d) Rs 2,50,000

17. If the amount of profit made by company A in the year 2009 was Rs. 31.85 lakh, what was his expenditure in that year?

- (a) Rs. 107 lakh                      (b) Rs. 45 lakh                      (c) Rs. 91 lakh                      (d) Cannot be determined

18. What is the approximate average per cent profit of company A over all the years together?

- (a) 37                      (b) 33                      (c) 39                      (d) 48

19. If in the year 2004, incomes of both companies A and B were the same, what would be the respective ratio of their expenditures?

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(a) 31 : 33                      (b) 27 : 29                      (c) 16 : 23                      (d) Cannot be determined

20. What is the average amount of profit earned by company B over the years?

(a) 41.69                      (b) 38.33                      (c) 26.45                      (d) Cannot be determined