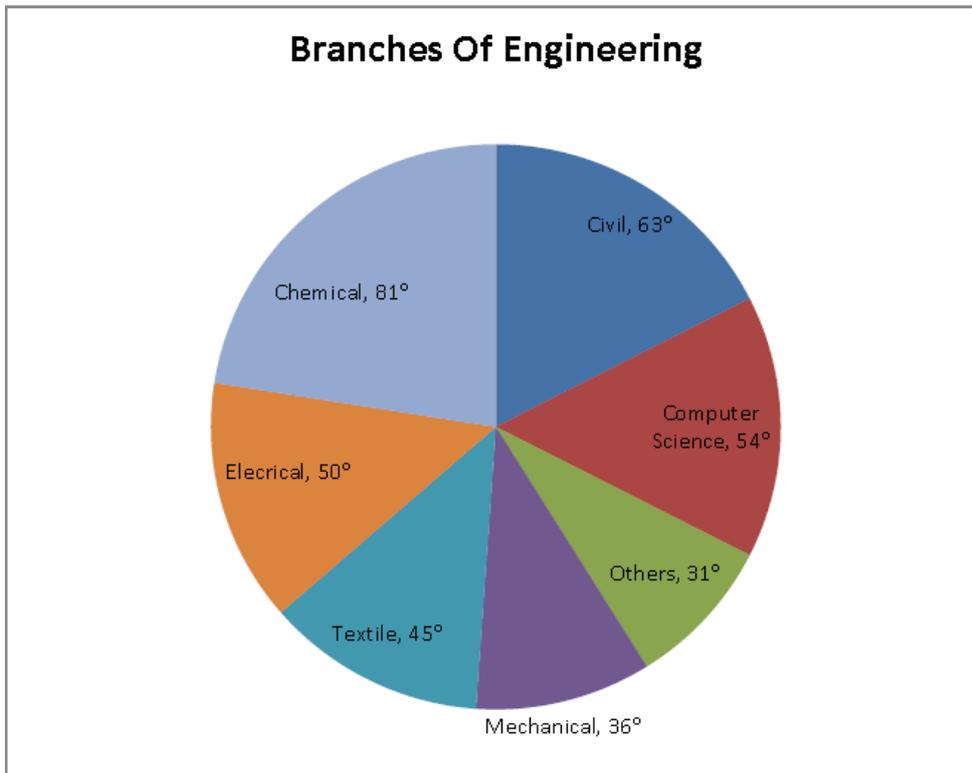


QA Section B

Directions (Q 1-5): The following pie chart shows the spending of an Engineering Institute on various branches during a particular year. Study the pie chart carefully and answers the questions given below.



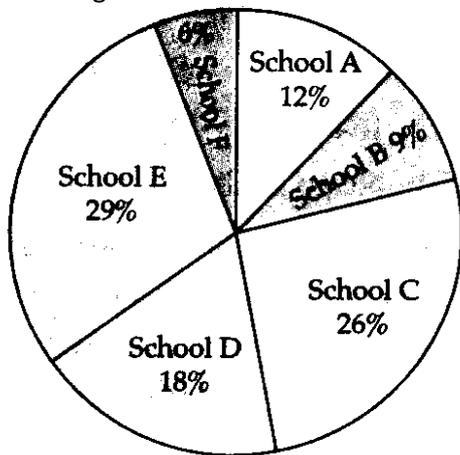
1. What percent of the total Spending is spent on Textile Engineering?
(a) 25%
(b) 45%
(c) 12.5%
(d) 23.5%
2. How much percent less is spent on Computer Science than that on Chemical ?
(a) 27 %
(b) 33.33%
(c) 37.5%
(d) 22.22%
3. How much percent more is spent on Civil than that on Mechanical branch ?
(a) 75%
(b) 37.5%
(c) 27%
(d) 35%
4. If the total amount spent on different branches of engineering during the year was 4 crores, the amount spent on Chemical and Civil together was:
(a) 1.5 Crores
(b) 1.6 Crores

- (c) 1.8 Crores
- (d) 1.9 Crores

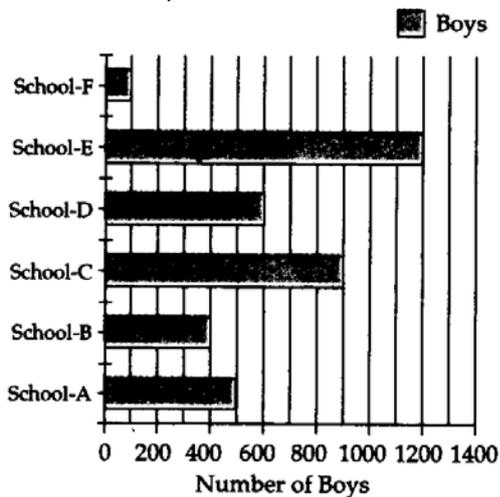
5. If the total amount spent on Different branches during the year was 3,60,00,000, the amount spent on Electrical branch exceeds that on Textile engineering Branch by :

- (a) 4,95,800
- (b) 4,90,000
- (c) 5,00,000
- (d) 5,19,800

Directions-(Q.6-10) Study the following pie-chart and bar chart and answer the following questions.
 Percentagewise Distribution of students in six different Schools Total number of Students = 6000
 Percentage of Students



Number of Boys out of the 6000 Students in each School Separately

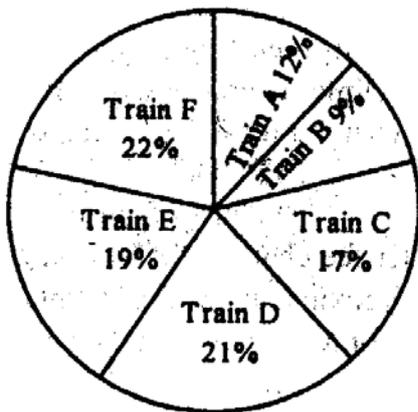


6. What is the total number of girls in School-C, number of girls in School-E and the number of boys in school-D together?

- (A) 1700
- (B) 1900
- (C) 1600
- (D) 1800

7. What is the respective ratio between the number of boys in School-C, number of girls in school-B and total number of students in School-E?
 (A) 45: 7: 97
 (B) 43: 9: 97
 (C) 45: 7: 87
 (D) 43: 9: 87
8. What is the difference between the total number of students in School-P and the number of boys in school-E?
 (A) 820
 (B) 860
 (C) 880
 (D) None of these
9. In which school the total number of students (both boys and girls) together are equal to the number of girls in School-E?
 (A) A
 (B) B
 (C) C
 (D) D
10. Number of girls in School-A is approximately what per cent of total number of students in School-B?
 (A) 55
 (B) 50
 (C) 35
 (D) 40

Directions (Q.11-15): Study the following pie-chart carefully to answer these questions: Total number of passengers in six different trains = 4800 Percentage-wise distribution of passengers



11. What was the average number of passengers travelling in Train A, Train C and Train F together?
 (A) 816 (B) 826 (C) 824 (D) 812
12. If the cost of one ticket is Rs. 124, what is the total amount paid by passengers of Train B?
 (Assuming all the passengers purchased tickets and cost of each ticket is equal)
 (A) Rs. 53,658 (B) Rs. 53,568 (C) Rs. 53,558 (D) Rs. 53,468
13. The number of passengers in Train E is approximately what percentage of the total number of passengers in Train B and Train D together?

(A) 63 (B) 69 (C) 75 (D) 54

14. What is the difference between the number of passengers in Train C and the number of passengers in Train A?

(A) 280 (B) 250 (C) 230 (D) None of these

15. What is the total number of passengers in Train D, Train E and Train F together?

(A) 2796 (B) 3225 (C) 2976 (D) 3125

Directions (Q.16-20): Study the following table carefully to answer the questions that follow.
Semester fees (in Rs thousand) for five different courses in six different years

Years	Course				
	B Tech	M Sc	B Ed	M Phil	Diploma
2005	11.5	5.8	7.5	4.7	1.8
2006	14.5	6.4	11.6	5.8	3.2
2007	20.0	10.2	13.9	8.6	4.8
2008	22.2	14.6	15.8	12.7	5.6
2009	35.8	17.7	18.5	25.1	12.5
2010	50.7	20.9	22.6	18.9	14.9

16. What was the approximate per cent increase in the semester fees of B Ed course in the year 2007 as compared to the previous year?

(A) 26 (B) 30 (C) 20 (D) 16

17. What was the average semester fee charged for MSc course over all the years together?

(A) Rs. 12,700 (B) Rs. 12,600 (C) Rs. 12,060 (D) Rs. 12070

18. What was the difference between the total semester fee charged for Diploma course over all the years together and the fee charged for B Tech course in the year 2009?

(A) Rs. 8,500 (B) Rs. 8,000 (C) Rs. 6,500 (D) Rs. 7,000

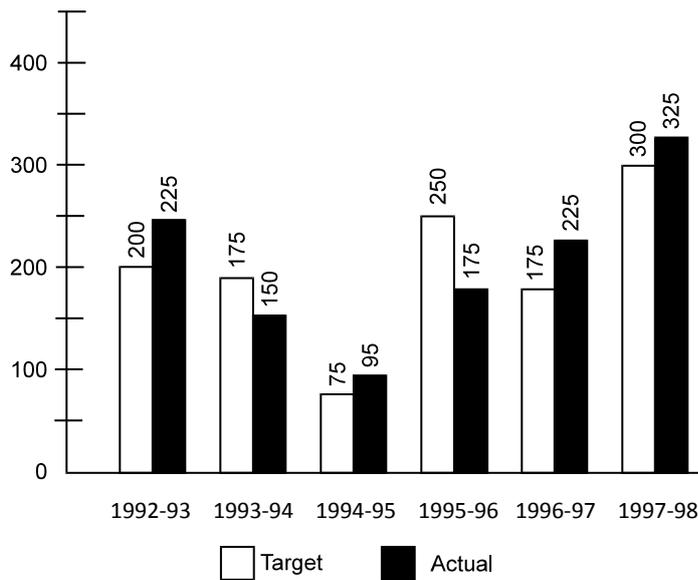
19. The semester fee charged for M Phil course in the year 2008 was approximately what percentage of the semester fee charged for MSc course in the year 2009?

(A) 67 (B) 84 (C) 80 (D) 72

20. What was the total semester fee charged for all the courses together in the year 2006?

(A) Rs. 42,500 (B) Rs. 41,500 (C) Rs. 41,600 (D) Rs. 42,200

Directions (Q. 21–25): Study the following graph carefully and answer the questions given below:



21. In which of the following years was the actual production in percentage of target production the highest?
- (a) 1996-97 (b) 1994-95
(c) 1997-98 (d) None of these
22. If the combined targeted production of two adjacent years is compared to the combined actual production of these two years, then in which of the following pair of years will it have a complete match?
- (a) 1994-95, 1995-96
(b) 1992-93, 1993-94
(c) 1993-94, 1994-95
(d) None of these
23. The actual production of cement for 1992-93 was how many times that of the targeted production set for that year?
- (a) 1.25 (b) 1.025
(c) 1.125 (d) None of these
24. What is the ratio of years in which actual production was above average to those in which the production was below average?
- (a) 1 : 2 (b) 1 : 1
(c) 2 : 1 (d) None of these
25. What was the difference between the actual production of gunny bags and the target set for their production for the year 1995-96?
- (a) 75000 (b) 700 (c) 25000 (d) None of these
26. The ratio between the three angles of a quadrilateral is 13 : 9 : 5 respectively. The value of the fourth angle of the quadrilateral is 36° . What is the difference between the largest and the second smallest angles of the quadrilateral?
- (A) 104°
(B) 108°
(C) 72°
(D) 96°

27. The length of a rectangle is three-fifths of the side of a square. The radius of a circle is equal to side of the square. The circumference of the circle is 132 cm. What is the area of the rectangle if the breadth of the rectangle is 8 cm?

(A) 112.4 sq cm (B) 104.2 sq cm (C) 100.8 sq cm (D) Cannot be determined

28. Five-ninths of a number is equal to twenty five percent of the second number. The second number is equal to one-fourth of the third number. The value of the third number is 2960. What is 30 per cent of the first number?

(A) 88.8 (B) 99.9 (C) 66.6 (D) Cannot be determined

29. The ratio of the present age of Manoj to that of Wasim is 3 : 11. Wasim is 12 years younger than Rehana. Rehana's age after 7 years will be 85 years. What is the present age of Manoj's father, who is 25 years older than Manoj?

(A) 43 years (B) 67 years (C) 45 years (D) 69 years

30. Dinesh's monthly income is four times Suresh's monthly income. Suresh's monthly income is twenty per cent more than Jyoti's monthly income. Jyoti's monthly income is Rs. 22,000. What is Dinesh's monthly income?

(A) Rs. 1, 06, 500 (B) Rs. 1, 05, 600 (C) Rs. 1, 04, 500 (D) Rs. 1, 05, 400