**DATA INTERPRETATION**

**Directions for Questions 1 to 6**: The bar graph shown below indicates admission of students in four departments CSE, ECE, EEE, MECH in an Engineering college for three years, 2008 to 2010. Study the bar graph carefully and answer the questions given below:



1. What is the percentage increase in the total intake of the college from the year 2008 to 2010?

a) 15% b) 20% c) 12.5% d) 16.67%

2. What was the percentage of CSE students out of the total students admitted for the year 2008?

a) 40% b) 30% c) 50% d) 25%

3. Which department showed highest percentage increase from year 2008 to 2010?

a) CSE b) ECE c) EEE d) MECH

4. Which department showed a steady decline in the intake of students?

a) CSE b) ECE c) EEE d) MECH

5. In which year is the strength of CSE the lowest compared to the total strength?

a) 2008 b) 2009 c) 2010 d) Cannot be determined

6. Which department showed the highest increase in number of students in 2010 compared to 2008?

a) CSE b) ECE c) EEE d) MECH

**Directions for Questions 7 to 10:** The marks of four students, A, B, C and D, in four model tests 1, 2, 3 and 4 are tabulated below. Study the table carefully and answer the questions:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tests/ Students | 1 | 2 | 3 | 4 |
| A | 142 | 243 | 47 | 260 |
| B | 116 | 102 | 53 | 184 |
| C | 150 | 147 | 78 | 256 |
| D | 168 | 231 | 65 | 280 |
| Maximum Marks | 200 | 300 | 100 | 400 |

7. Who has scored the maximum total marks?

(a) A b) B c) C d) D

8. What is the difference between the maximum and minimum total marks scored?

a) 227 b) 289 c) 176 d) 113

9. A student who gets below 55% in a paper is to appear for a re-exam in that paper. How many of these students have to appear for the re-exam?

a) 3 b) 2 c) 1 d) None of these

10. If above 70% is considered as distinction, how many instances are there where the candidate has got a distinction?

a) 7 b) 4 c) 6 d) 3

**Directions for Questions 11 to 15:** Pie Chart 1 shows the percentage break up of the number of employees in a multinational organization whose strength in that particular year is 50,000. Pie Chart 2 shows the percentage break up of women employees in different departments in the same year. It is also known that the ratio of the numbers of female and male employees is 2:3. Study the pie chart carefully and answer the questions given below:





11. In how many departments do women outnumber men?

a) 2 b) 3 c) 1 d) None of these

12. What percentage of the number of men working in accounts is the number of men working in development?

a) 12.5% b) 20% c) 10% d) 25%

13. What percentage of the number of women working in support services is the number of women working in marketing?

a) 33% b) 25% c) 50% d) 20%

14. Across all departments, what is the highest ratio of female and male employees?

a) 4:41 b) 14:1 c) 2:7 d) 3:2

15. If the company has plans to reduce manpower by 20% in the next three years with 40% of the reduction planned in production and the balance divided equally among the other four departments, how many women employees will be working in the accounts department after the reduction?

a) 4080 b) 4000 c) 6800 d) Cannot be determined

**Directions for Questions 16 - 20**: Answer the questions on the basis of the information given below.



16. Which company has shown the highest percentage increase in turnover during

the given period?

a) Company A b) Company B

c) Company C d) Company E

17. The total turnover of all five companies in 2012 is approximately what

percentage more that their total turnover in the year 2008?

a) 14% b) 15% c) 16% d) 13%

18. What is ratio of the combined turnover of company B and C in 2012 to the

combined turnover of B, C and D in the year 2010?

a) 25 : 34 b) 5 : 6 c) 6 : 5 d) 34 : 25

19. Company A expects its turnover to increase by 15% in the year 2013. What

should be the percentage increase in the turnover of Company B if it desires to

have the same turnover as Company A in the year 2013?

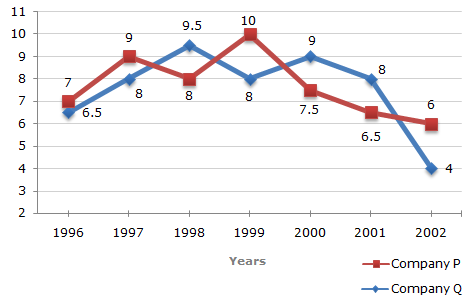
a) 40% b) 34% c) 36% d) Cannot be determined

20. In the year 2012, Company C manufactures only three products X,Yand Z. The revenue generated by the sales of products X, Y and Z are in ratio 2:3:5. Find the ratio of the profit generated by each product if the profit of Company C is 20% of their turnover in 2012?

a) 2:3:5 b) 1:2:3 c) 3:2:5 d) Cannot be determined

**Directions for Questions 21 to 25:** Two different finance companies declare fixed annual rate of interest on the amounts invested with them by investors. The rate of interest offered by these companies may differ from year to year depending on the variation in the economy of the country and the banks rate of interest. The annual rate of interest offered by the two Companies P and Q over the years are shown by the line graph provided below

Annual Rate of Interest Offered by Two Finance Companies Over the Years.



21. A sum of Rs. 4.75 lakhs was invested in Company Q in 1999 for one year. How much more interest would have been earned if the sum was invested in Company P?

a) 19,000 b) 14,250 c) 11,750 d) 9,500

22. If two different amounts in the ratio 8:9 are invested in Companies P and Q respectively in 2002, then the amounts received after one year as interests from Companies P and Q are respectively in the ratio?

a) 2:3 b) 3:4 c) 6:7 d) 4:3

23. In 2000, a part of Rs. 30 lakhs was invested in Company P and the rest was invested in Company Q for one year. The total interest received was Rs. 2.43 lakhs. What was the amount invested in Company P?

a) Rs. 9 Laksh b) Rs. 11 Laksh c) Rs. 12 Laksh d) Rs. 18 Laksh

24. An investor invested a sum of Rs. 12 lakhs in Company P in 1998. The total amount received after one year was re-invested in the same Company for one more year. The total appreciation received by the investor on his investment was?

a) 296200 b) 242200 c) 225600 d) 216000

25. An investor invested Rs. 5 lakhs in Company Q in 1996. After one year, the entire amount along with the interest was transferred as investment to Company P in 1997 for one year. What amount will be received from Company P, by the investor?

a) 594550 b) 580425 c) 577800 d) 577500