

<u> PIE CHART - II</u>

Direction: Chart 1 shows the distribution of 12 million tonnes of crude oil transported through different modes over a specific period of time. Chart 2 shows the distribution of the cost of transporting this crude oil. The total cost was Rs. 30 million.



- 1. The cost in rupees per tonne of oil moved by rail and road happens to be roughly a) Rs. 3 b) Rs. 1.5 c) Rs. 4.5 d) Rs. 8
- 2. From the charts given, it appears that the cheapest mode of transport isa) roadb) railc) pipelined) ship
- 3. If the costs per tonne of transport by ship, air and road are represented by P, Q and R respectively, which of the following is true?
 a) R > Q > P
 b) P > R > Q
 c) P > Q > R
 d) R > P > Q

Direction: The pie charts give the distribution of monthly expenditure of Mr. Ramanlal in two years.



- What is the percentage increase in Mr. Ramanlal's expenditure on provisions from 2011 to 2012?
 (A) 20%
 (B) 68%
 (C) 16.66%
 (D) 40%
- 5. The expenditure under which of the following heads has shown the highest percentage change (increase/decrease) from 2011 to 2012?
 (A) Entertainment (B) Rent (C) Clothes (D) Travelling



- 6. Under how many heads has the expenditure increased by more than 40% from 2011 to 2012? (A) 3 (B) 4 (C) 5 (D) 6
- 7. In 2013, the combined expenditure on food, rent, provisions and entertainment decreased by 20%, while the combined expenditure on travelling, medical expenses and clothes increase by 10%. Find the combined share of the expenditure on food and clothes.
 (A) 12.25% (B) 31.8% (C) 16.5% (D) Cannot be determined

Additional information for questions 8 & 9: The distribution of the expenditure of Ramanlal in 2013 is the same as that in 2012.

- 8. In 2013, if the medical expenses of Ramanlal are 20% more than that in the year 2011, then what is the percentage increase in the expenditure on travelling from 2012 to 2013?
 (A) 16²/₃%
 (B) 33¹/₃%
 (C) Cannot be determined
 (D) None of these
- 9. In 2013, the expenditure on food increased by 20% over that of 2011. Find the percentage increase in the expenditure on provisions from 2011 to 2013.
 (A) 20% (B) 25% (C) 44% (D) Cannot be determined

Directions for questions: The following pie charts show the results of a survey among employed men in a colony.



- 10. How many of the men surveyed were of age 35 years or above? (a) 5760 (b) 6000 (c) 6120 (d) 6400
- 11. At most what percentage of the businessmen were of age less than 25 years? (a) 75 (b) 72 (c) 68 (d) 60
- 12. If all men of age 75 or above had the same profession, their profession can be:(a) Businessman(b) Lawyer(c) Doctor(d) Engineer(5) More than one of the above
- 13. If all the engineers were of age less than 45 years, then at least what percentage of the engineers were of age 35 or above and less than 45 years.
 (a) 10
 (b) 15
 (c) 20
 (d) 30
- 14. At least what percentage of the men were less than 75 years of age and are neither engineers nor doctors? (a) 10 (b) 20 (c) 25 (d) 30



Directions for questions: The following pie chart gives the break-up of the CTV market among the various CTV producing players in the market for the years 2003 and 2004. Assume that each of these companies just produces CTVs. Answer the questions that follow based on the following pie-chart:

Market in 2003 : Rs. 1765 mn

Market in 2004 : Rs. 1835 mn



- 17. What is the growth rate of sales of Videocon from 2003 to 2004?
(a) 13.33%(b) 18.88%(c) 15.55%(d) Cannot be determined
- 18. Which company's sales grew by the highest growth rate in 2004? (Exclude 'others')
 (a) LG
 (b) Samsung
 (c) Videocon
 (d) Cannot be determined

Directions for questions: The pie charts below give the specialization-wise break-up of placements of the students of a premier B-School for two years viz. 2005 and 2006.



- 19. If the number of students placed in marketing in 2006 was 25 more than the number of students placed in finance in 2005, find the difference in the total number of students of 2005 and 2006.
 (a) 125 (b) 150 (c) 225 (d) Cannot be determined
- 20. If the number of student placed in finance in 2006 was 25% more than the number of students placed in finance in 2005, find the difference in the total number of students of 2005 and 2006.
 (a) 30
 (b) 50
 (c) 60
 (d) Cannot be determined



DIRECTIONS for Questions: The following table provides partial details about the number of Tests (T) and ODIs (O) played by 6 players of the Indian cricket team against five nations viz. Australia (A), South Africa (S), England (E), Pakistan (P) and the West Indies (W) in the year 2008. Assume that the Indian cricket team played only against these nations in the year 2008, and also, they played no form of matches other than the Tests and the ODIs. The following pie-chart provides details about the percentage break-up of the matches played by the Indian cricket team against these nations in the year 2008.



	Α		S		Е		Р		W	
	Т	0	Т	0	Т	0	Т	0	Т	0
Sachin	8		12	24		11		12		17
Sehwag		11			7		8	11	16	
Gambhir	11	12	7	8		13		6		18
Raina	9			9	6	14	9		24	
Yuvraj	7	18	6					10	32	19
Dhoni		16		10	18		11			16

- 21. The total number of matches played by the Indian cricket team in 2008 could not be less than a) 200 b) 240 c) 190 d) 230
- 22. Out of the matches played by the Indian cricket team against the West Indies in 2008, the number of matches not played by Yuvraj could at least bea) 18 b) 9 c) 22 d) 21
- 23. If Raina played all the "ODIs" and Sachin played all the "Tests" that the Indian cricket team played against England in 2008, then what could be the minimum number of tests played by the Indian cricket team against England in the year 2008?
 - a) 16 b) 19 c) 22 d) 20
- 24. If Sachin and Gambhir are the openers against Australian squad when they both play a match and the total number of matches played by the Indian cricket team in 2008 is minimum possible. Then in at least how many matches Sachin and Gambhir didn't open together?

Direction for Questions: There are only four companies' viz. P, Q, R and S that manufactured shirts in the market. The shirts manufactured by these companies are made or one or the other of the five types of cloth viz. Silk, Cotton, Linen, Khadi and Polyester. The following pie-charts provide information about the number or shirts or each of the types of cloth manufactured by the company as a percentage of the total number of shirts manufactured by that company.

The following table provides information about the number of Linen shirts manufactured by each of the companies as a percentage of the total number of Linen shirts manufactured by all the companies.



Р	Q	R	S		
25.00%	25.00%	20.00%	30.00%		



- 25. For which of the companies, the total number of shirts manufactured by it is the second largest among these companies?
 - a) P b) Q
 - c) R d) S
- 26. What is the minimum possible number of shirts that should he been manufactured by all the companies combined such that for each company, the number of shifts of each of the types of cloth manufactured by ii is an integer?a) 6925 b) 5540
 - c) 27700 d) CBD
- 27. Each of the two companies Q and S sel1 each shirt manufactured by them at Rs. 10 above their cost price. If the difference between the profit generated by both the companies is Rs.15000, then what is the difference between the number of Polyester shirts manufactured by the Companies P and R? (Assume that all the shins that are manufactured arc sold).

a) 4800	b) 1500
c) 3000	d) CBD

- 28. What is the ratio of the profit generated by company R by selling all the Catton shirts to the profit generated by selling all the Khadi shirts manufactured by it? (Given that the ratio of the profit generated on a sale of one Khadi shirt to the sale of one Cotton shirt by the company R is 3 : 4).
 - a) 3 : 7 b) 4 : 3
 - c) 21 : 16 d) None
- 29. Which of the following statement(s) (is/are) true?
 - I) The number of Cotton shirts manufactured by Q is equal to the number of Polyester shirts manufactured by S.
 - II) The number of Linen shirts manufactured by P is equal to the number of Cotton shirts manufactured by Q.
 - III) Total number of cotton shirts manufactured by all the companies is 10% less than the total number of Linen shirts manufactured by all companies.
 - a) I only b) II only
 - c) III only d) II and III

Answer Key

1. B	2. A	3. C	4. B	5. C	6. A	7. D	8. D	9. C	10. A
11. B	12. E	13. A	14. D	15. B	16. B	17. C	18. C	19. D	20. D
21.B	22. D	23. C	24.40	25. B	26. C	27. A	28. D	29. B	