DI Marathon

6 Marathon Workshops	
1	Quant
2	Logic
3	DI
4	Visual Verbal Reasoning
5	Puzzles
6	Verbal

DI 10/25 marks New type questions
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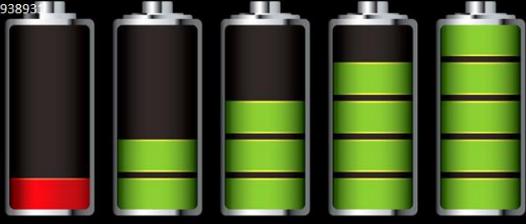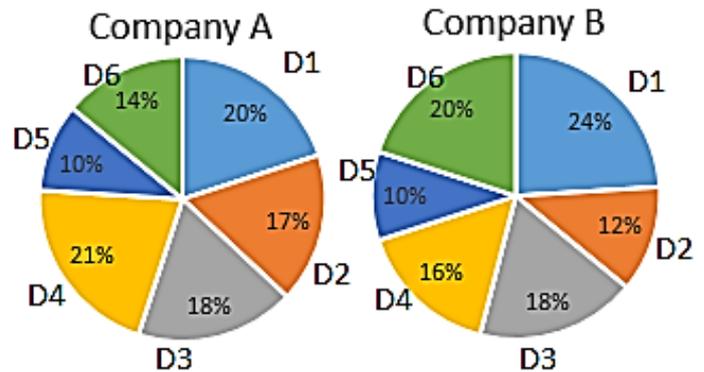
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25 questions 20 minutes
The following pie-charts show the percentage distribution of the total employees of two Companies A and B in different departments, and the table shows the ratio of Male to Female employees in all the departments of Company A and B. The total number of employees working in Company A and B are 8000 and 7500 respectively.

	Company A	Company B
	Male : Female	Male : Female
D1	5 : 3	13 : 7
D2	9 : 7	11 : 14
D3	5 : 7	7 : 8
D4	8 : 7	17 : 13
D5	3 : 2	23 : 27
D6	9 : 5	7 : 3

Company A: D1 20%, D2 17%, D3 18%, D4 21%, D5 10%, D6 14%

Company B: D1 24%, D2 12%, D3 18%, D4 16%, D5 10%, D6 20%

1. What is the total number of Female employees in D5 of Company A and B together?
(a) 705 (b) 710 (c) 715 (d) 720 (e) 725

2. The total number of Female employees in D1 of Company B is approximately how much per cent more than the number of Female employees in D1 of Company A?
(a) 5% (b) 7.5% (c) 15% (d) 22.5% (e) 30%

3. What is the difference between the total Male employees of Company A and the total Female employees of Company B?
(a) 1230 (b) 1232 (c) 1234 (d) 1236 (e) 1238

4. The average number of Male employees in D1 and D2 of Company B is approximately what percentage of the average number of Female employees in D5 and D6 of Company A?
(a) 177.5% (b) 197.5% (c) 212.5% (d) 217.5% (e) 227.5%

5. The total number of Females working in Company A is approximately what percentage of total employees of Company A?
(a) 42.12% (b) 43.48% (c) 44.24% (d) 45.64% (e) 46.86%

Study the following information carefully and answer the questions given below:
In an institute there are 5600 students, the ratio of the number of girls to the number of boys is 3 : 4 respectively. All the students are enrolled in different programmes viz. SSC, Banking, CLAT and F–CAT. 20% of the total number of boys are enrolled in CLAT programme. The number of girls enrolled in Banking is five–fourths of the number of boys taking the same.
One fourth of the total number of girls enrolled in F–CAT programme. The total number of students enrolled in F–CAT programme is 1400. Two–fifths of the boys enrolled in SSC programme and the remaining boys are enrolled in Banking programme. The girls enrolled in SSC are three fourth of the number of boys enrolled in the same. The remaining girls are enrolled in CLAT programme.

6. What is the respective ratio of the number of boys enrolled in CLAT to the number of boys enrolled in SSC?
1) 1 : 2 2) 1 : 3 3) 2 : 3 4) 4 : 5 5) 3 : 4

7. What is the number of girls enrolled in CLAT?
1) 210 2) 260 3) 280 4) 180 5) 240

8. What is the total number of students enrolled in Banking?
1) 1060 2) None of these 3) 1080 4) 1040 5) 1020

9. The number of girls enrolled in F–CAT is approximately what percent of the total number of students enrolled in SSC?
1) 24.8% 2) 26.8% 3) 36.8% 4) 32.9% 5) 29.4%

10. The number of boys enrolled in CLAT and SSC together is approximately what percent more or less than the number of girls enrolled in SSC?

1) 100% more 2) 100% less 3) 125% more
4) Other than given options 5) 75% less

Directions Q11 to Q15- there are five travelling companies. And the following table gives the percentage distribution of all customers according to their mode of transportation

Travelling Companies	Percentage of Traveller by Bus	Percentage of Traveller by Air	Percentage of Traveller by Ship	Percentage of Traveller by Car	Percentage of Traveller by Train
Royal Cruiser	38	10	9	20	-
Iana Travels	47	13	0	-	-
Kali Travels	30	20	-	-	-
Nainital Travels	-	44	12	-	4
Kingfisher Travels	-	25	-	30	-

Q11. The total number of passenger travels through kali travels is 300, and the passenger travels by bus and air for royal cruiser is equal to the passenger travel by all the modes other than Air from kali travels. Find the ratio of traveler by Train from Royal cruiser to Bus traveler of kali travels.
(a)138/225 (b)128/225 (c)124/123 (d)152/152 (e)None

Q12. If the total number of passenger is 500 from the royal cruise and same for Iana travels. Find the difference of people travelling by Bus from these two travel agencies.
(a)44 (b)54 (c)45 (d)36 (e)None of the above

Q13. From the Kingfisher travels passenger travelling by train and ship is equal to the passenger travelling by car. Then how much percentage of passenger is travelling by Bus?
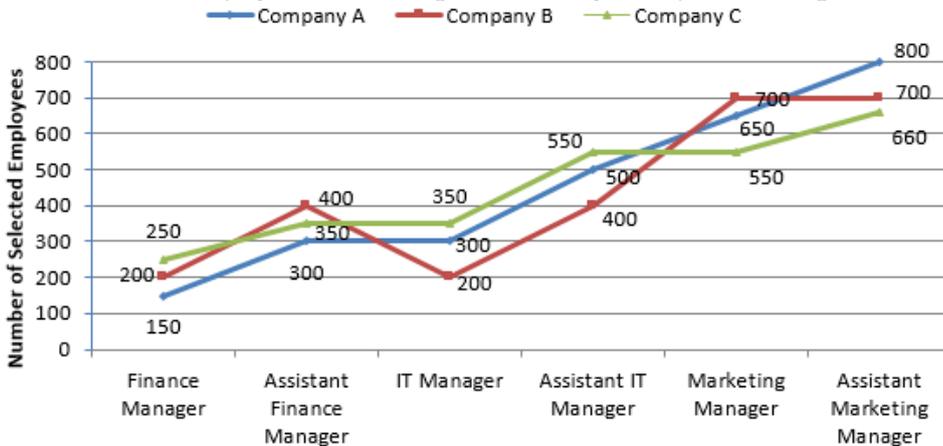
(a)15 (b)16 (c)17 (d)18 (e) None of the above

Q14. Kingfisher passengers are 60% more than the Royal cruiser total passenger. Then the passenger travelling by bus from kingfisher travels is how much percent more/less than that of royal travel travelling through same mode of transport.
(a)35 (b)37.37 (c)36.84 (d)47 (e)48.26

Q15. How many passengers are travelling by Nainital travels if car and bus traveler of Nanital travels is equal to the Air traveler of Kingfisher travels.
(a) 500 (b) 550 (c) 560 (d) 450 (e) None of the above

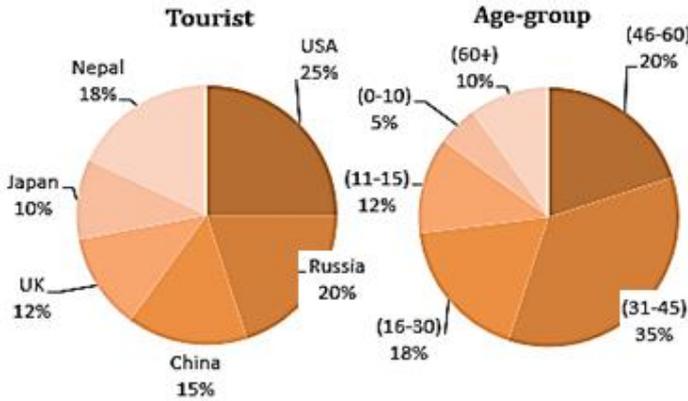Number of selected employees in different grades/ranks by 3 companies during 2012.

Q16. What is the respective ratio of selected employees for the post of marketing manager by all the companies A, B and C together ?
(a) 12 : 11 : 14 (b) 11 : 13 : 14 (c) 13 : 14 : 11
(d) 13 : 12 : 11 (e) None of these

Q17. By what percent is the number of selected employees for assistant finance manager by company C less than total selected IT manager for all companies ?
(a) 59.13% (b) 57.33% (c) 57.72% (d) 56.43% (e) 58.82%

Q18. What is approximate average number of selected employees by company B in all grades taken together ?
(a) 471 (b) 433 (c) 429 (d) 437 (e) 467

Q19. What is respective ratio of the total selected employees for all the grades by all 3 companies A, B and C ?
(a) 27 : 26 : 27 (b) 23 : 13 : 9 (c) 9 : 13 : 26 (d) 3 : 13 : 11
(e) None of these

Q20. The number of marketing manager in company C is what percent of total employees selected in same company ?
(a) 20.3% (b) 19.73% (c) 21.33% (d) 18.12% (e) 17.47%

Study the following pie-chart carefully and answer accordingly:

The following pie-charts show the number of tourists who visited India from different countries from different age group. (The age group criterion applies uniformly to every country).

Q21. If number of tourist from China was 9000, then find number of tourist from Nepal of age group (16-30).
(a) 2125 (b) 1835 (c) 1645 (d) 1944 (e) None of these

Q22. Find the ratio of tourist of age group (46-60) from Japan to age group (16-30) from USA, if number of tourist from UK was 7200.
(a) 4 : 9 (b) 9 : 4 (c) 7 : 9 (d) 1 : 3 (e) 4 : 5

Q23. If total tourist from China of age 60+ was 1500, find total tourist from Russia ?
(a) 20450 (b) 19800 (c) 20000 (d) 21500 (e) None of these

Q24. Tourist from Nepal of age group (31-45) was what percent of total number of tourist, if tourist of that age-group from Russia was 700 ?
(a) 5.85% (b) 6.30% (c) 7.25% (d) 8.45% (e) None of these

Q25. If total tourist from all countries was 10000, then what is the average number of tourist from all the countries of age group (16-30) ?
(a) 300 (b) 375 (c) 250 (d) 400 (e) None of these

DI syllabus 25 marks

Type of ques	Ques	Your Score	Time
Pie Chart	5		
Multiple charts	5		
Caselet	5		
Fill in blanks	5		
Chart with ratios	5		
Total	25		