Data Interpretation

Model 1: Tables

1. **Table gives the number of students from various Institutes over the years**.

Institute Year	A	B	C	D	E	F	G
2002	750	640	680	780	740	620	650
2003	700	600	720	800	720	580	720
2004	800	620	730	820	760	640	730
2005	820	660	670	760	750	560	750
2006	740	760	690	790	780	650	680
2007	720	740	700	810	730	630	690
2008	780	700	660	840	720	660	740

1. The strength of institute F in 2004 is what percent of the total strength of that institute for all seven years together?(rounded) off to two digits after decimal)

   1) 14.28   2) 14.98   3) 12.90   4) 14.75   5) None of these

2. What is the difference between the total number of students in 2006 for all the institutes together and the total number of students in 2008 for all the institutes together?

   1) 50   2) 70   3) 10   4) 30   5) None of these

3. What is the ratio between the total strength of institutes A B and G together in 2003 and the total strength of institutes E, F and G together in 2005?

   1) 103:101   2) 101:103   3) 51:53   4) 53:51   5) None of these

4. If in 2002 the overall percentage of students passed from al the institutes is 70%, then what is the number of students passed in 2002 from all the institutes?

   1) 3402   2) 3420   3) 3422   4) 3382   5) None of these

5. If from institute B overall 60% students passed for all the given years, approximately what is the average number of students passed?

    1) 430   2) 425   3) 390   4) 395   5) 405

2. **Number of students appeared and passed in an examination from five different schools over the years**

School	A		B		C		D		E	
Year	Appear	Passed	Appear	Passed	Appear	Passed	Appear	Passed	Appeared	Passed
2004	600	350	450	250	520	350	580	460	620	500
2005	580	250	480	300	550	420	600	480	650	550
2006	640	300	420	280	500	400	560	420	580	500
2007	650	400	460	320	560	450	620	450	660	550
2008	680	450	500	380	580	480	640	520	680	580

1. What is the ratio between the average number of students passed from schools B and C respectively for all the given years?

    1) 70:51   2) 70:53   3) 53:70   4) 51:70   5) None of these

2. What is the ratio between the total number of students appeared from all the schools together in 2004 and 2005?

    1) 286:295   2) 277:286   3) 286:277   4) 295:286   5) None of these

3. What was the overall percentage of students passed with respect to the number of students from all the schools together in 2007?(round off to the next integer)

[April 18, 2015 @ 1h 20m 22s]

1) 74   2) 73   3) 76   4) 72   5) None of these

4. For school D which year had the lowest percentage of students passed with respect to those appeared?

1) 2004   2) 2005   3) 2006   4) 2007   5) 2008

5. During 2006 which school had the highest percentage of students passed with respect to those appeared?

1) C   2) B   3) A   4) D   5) E

3. Table gives the number of candidates appeared in the examination and percentage of students passed from various institutes over the year.

School	A		B		C		D		E		F	
Year	App	Pass	App	Pass	App	Pass	App	Pass	App	Pass	App	Pass
2001	450	60	540	40	300	65	640	50	600	45	680	60
2002	520	50	430	70	350	60	620	40	580	70	560	70
2003	430	60	490	70	380	50	580	50	680	70	700	66
2004	400	65	600	75	450	70	600	75	720	60	780	70
2005	480	50	570	50	400	75	700	65	700	48	560	50
2006	550	40	450	60	500	68	750	60	450	50	650	60
2007	500	58	470	60	470	60	720	70	560	60	720	50

1. What is the total number of students passed from all institutes together in the year 2006?

    1) 1895   2) 1985   3) 1295   4) 1465   5) None of these

2. Approximately what is the overall percentage of students passed from institute C for all the year?

    1) 160   2) 70   3) 75   4) 55   5) 65

3. What is the ratio of the number of students passed from institute F in 2003 to the number of students passed from institute B in 2005?

    1) 95:154   2) 154:95   3) 94:155   4) 155:94   5) None of these

4. What is the ratio of the average number of students appeared from institute A for all the years to that from institute D?

    1) 463:33   2) 353:463   3) 461:333   4) 333:461   5) None of these

5. What is the overall percentage of students passed all the institutes together in 2004?

    1) 68   2) 70   3) 69   4) 71   5) None of these

4. Table shows the number of people engaged who are engaged in various professions and (of these) percentage of female and males

Professions	Percentage of people	Percentage of females	Percentage of males
Medical	11	60	40
engineering	18	30	70
Law	24	45	55
Teaching	21	80	20
Banking	16	35	65
Management	10	44	56

Total number of people = 24500

1. What is the ratio of the total number of males in the medical and teaching professions together to the total number of females in the same profession together?

   1) 117:43   2) 29:183   3) 183:29   4) 43:117   5) None of these

2. The total number of people in the teaching profession is what percent of the total number of people in the Law?

   1) 87.5   2) 93   3) 68   4) 79.5   5) None of these

3. What is the total number of males from all the professions together?

   [May 24, 2014 @ 19m 22s]

   1) 11472   2) 12784   3) 12348   4) 12453   5) None of these

4. The females in the Engineering profession are what percent of the males in the management profession?

   1) 71.71   2) 96.43   3) 83.16   4) 68.54   5) None of these

5. What is the ratio of the number of males in the banking profession to the number of males in the engineering profession?

   1) 17:7   2) 28:55   3) 7:11   4) 63:52   5) None of these

**5. Percentage of Marks obtained by various students in various subjects in an Examination [June 14, 2014 @ 14m 20s]**

Student	English (out of 100)	Hindi (out of 100)	Science (out of 150)	History (out of 60)	Maths (out of 150)	Geography (out of 40)
A	68	75	82	60	96	55
B	88	73	85	65	88	65
C	75	56	72	75	75	80
D	70	66	80	80	72	62
E	72	60	68	74	68	75
F	85	70	90	70	74	70

1. What is the approximate overall percentage obtained by C in the examination?

    1) 78   2) 69   3) 75   4) 71   5) 65

2. What is the difference in the marks obtained by B in English and Maths together and the marks obtained by F in the same subjects?

    1) 24   2) 17   3) 15   4) 28   5) None of these

3. The marks obtained by E in Geography are what percent of the marks of the marks obtained by E in Hindi?

    1) 45   2) 55   3) 50   4) 60   5) None of these

4. What is the overall percentage of marks obtained by D in History and Geography together?

    1) 73.40   2) 72.80   3) 70.50   4) 68.80   5) None of these

5. What are the average marks obtained by all the students together in Science?

    1) 77.16   2) 120.50   3) 118   4) 121   5) None of these

6. **The following table shows the particulars regarding the members and the number of books issued to them in December 1992 in a city. Refer to the following to answer the questions that follow.**

Class of Members		A	B	C	D	Total
No.of Members		218	137	87	96	538
Books Issued	Novels	387	864	283	713	2247
	Sports Magzine	58	137	-	-	195
	Other Books	24	126	382	410	942
	Total books	469	1127	665	1123	3384

1. The maximum ratio of the number of novels issued to the number of members in a class is nearly

   1) 9.44   2) 5.35   3) 6.32   4) 7.43   5) None of these

2. The average number of books issued to any one member is nearly the average number of novels issued to any member of class

   1) A   2) B   3) C   4) D   5) None of these

3. The number which is five times the excess of the total number of books issued to C class members over the total number of books issued to A class members is most nearly the number denoting the total number of

   1) Members   2) Sports magazine issued   3) novels issued

   4) Other books issued   5) None of these

4. If the number of novels issued to the classes C and D were treated as Sports Magazine to these two classes, with no issue of novels to them, then the total number of Sports Magazine issued to the members of all classes, as a percentage of the total number of novels and other books issued to the members of all classes is

   1) 54.3%   2) 60.4%   3) 50.7%   4) 57%   5) None of these

5. The sum of the averages of the total number of books issued to the members of the different classes is nearly…. times the average of the total number of all the books issued to the members of all classes

   1) 3.6   2) 5.6   3) 4.7   4) 6.3   5) None of these

Model 2: Pie Charts

7. **Average monthly expenditure of an organization under various heads**
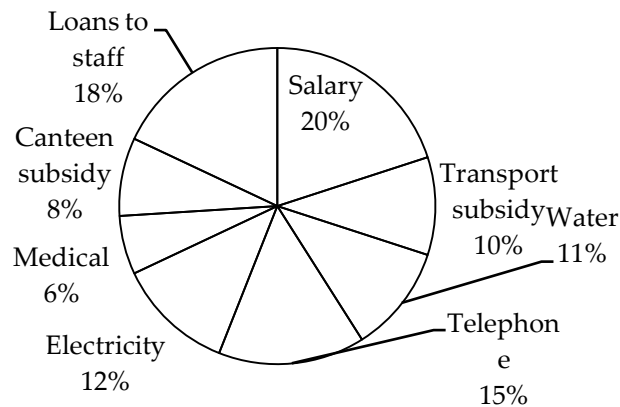

Total expenditure = ₹ 18, 50,000

1. What is the amount spent on transport subsidy and canteen subsidy together?

    1) ₹ 334000   2) ₹ 343000   3) ₹ 330000   4) ₹ 333000   5) None of these

2. What is the difference between the expenditure on salary and that on loans to staff?

    1) ₹ 37200   2) ₹ 35700   3) ₹ 37500   4) ₹ 35000   5) None of these

3. The amount spent on medical is what per cent of the amount spent on salary?

    1) 30%   2) 33%   3) 25%   4) 22%   5) None of these

4. What is the amount spent on telephone?

    1) ₹ 275500   2) ₹ 270500   3) ₹ 277500   4) ₹ 277000   5) None of these

5. What is the total expenditure on electricity and water together?

    1) ₹ 425000   2) ₹ 425500   3) ₹ 422500   4) ₹ 425800   5) None of these

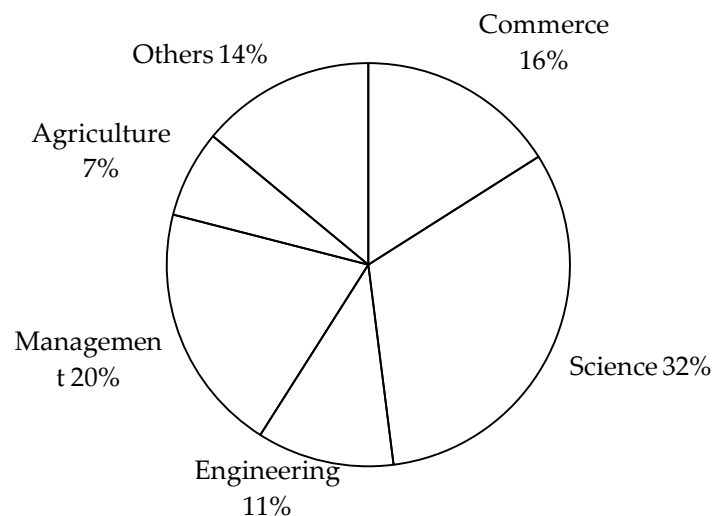8. **Discipline-wise breakup of number of candidates appeared in an interview and Discipline-wise breakup of the number of candidates selected by an organization**

Percentage Distribution of candidates appeared in an Interview

Others 12%

Commerce 18%

Agriculture 14%

Management 12%

Science 28%

Engineering 16%
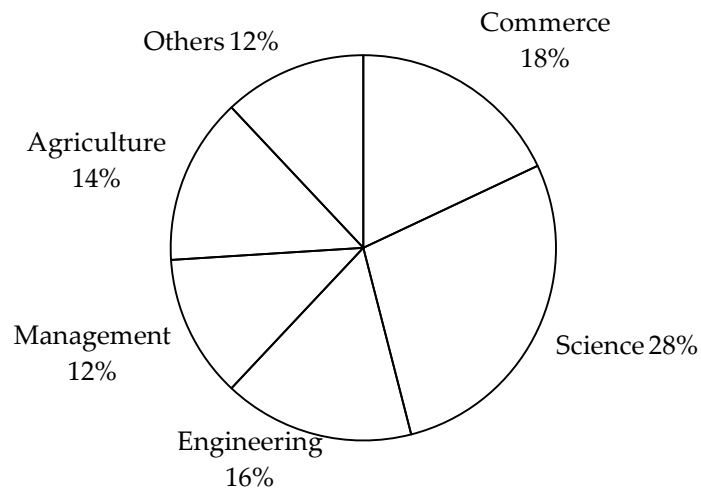
Total number of candidates appeared in the interview=25780

Percentage Distribution of candidates selected after Interview by the organization
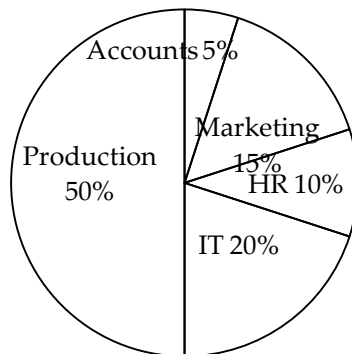

Others 14%

Commerce 16%

Agriculture 7%

Management 20%

Science 32%

Engineering 11%

Total number of candidates selected after Interview =7390

1. What was the ratio of the number of candidates appeared in interview from other disciplines and the number of candidates selected from Engineering discipline respectively (round off to the nearest integer)?

   1) 3609 : 813   2) 3094 : 813   3) 3094 : 1035   4) 4125 : 1035   5) None of these

2. The total number of candidates appeared in interview from Management and other discipline was what percentage of number of candidates appeared from engineering discipline?

   1) 50   2) 150   3) 200

   4) Cannot be determined   5) None of these

3. Approximately what was the difference between the number of candidates selected from agriculture discipline and number of candidates selected from engineering discipline?

   1) 517   2) 665   3) 346   4) 813   5) 296

4. For which discipline was the difference in number of candidates selected to number of candidates appeared in interview the maximum?

   1) Management   2) Engineering   3) Science

   4) Agriculture   5) None of these

5. Approximately what was the total number of candidates selected from Commerce and Agricultural discipline together?

   1) 1700   2) 1800   3) 2217   4) 1996   5) 1550

9. Study the following charts and answer the following questions

Break up of Employees working in different departments

IT 15%

HR 12%

Production 35%

Marketing 18%

Accounts 20%
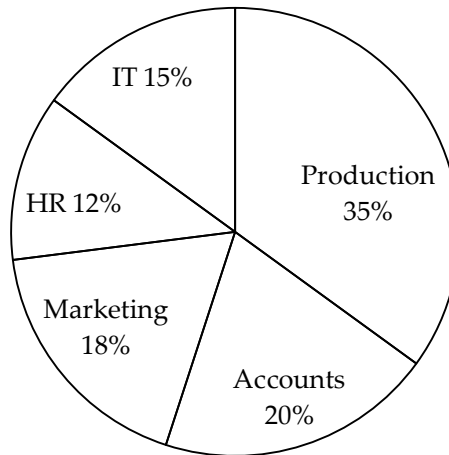
Total number of employees = 3600

Break up of the number of males working in each department

Accounts 5%

Marketing 15%

Production 50%

HR 10%

IT 20%

Total number of males in the organization = 2,040

Break up of number of employees who recently got promoted in each department
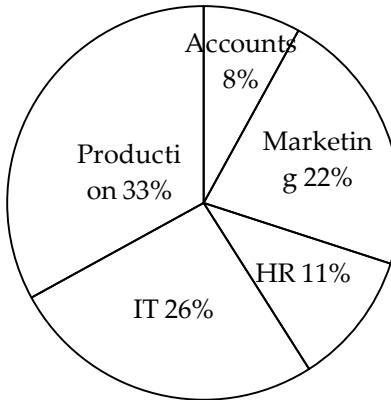
Total Number of employees who got promoted=1,200

1. If half of the number of employees who got promoted from the IT department were males, what was the approximate percentage of males who got promoted from the IT department?

    1) 61   2) 29   3) 54   4) 42   5) 38

2. What is the total number of females working in the Production and Marketing departments together?

    1) 468   2) 812   3) 582   4) 972   5) None of these

3. What will be the angle made at the centre by the sector showing the number of males in marketing department?

    1) 54   2) 45   3) 64   4) 62   5) None of these

4. The total number of employee who got promoted from all the department together was what per cent of the total number of employees working in all the departments together? (Rounded off to the nearest integer)

    1) 56   2) 21   3) 45   4) 33   5) 51

5. What is the ratio of the number of employees who got promoted from the HR department to the number of male employees in IT department?

    1) 36.19   2) 11:34   3) 47:22   4) 28:17   5) None of these

Model 3: Bar Diagram

10. **Total number of males and females in five different organizations**
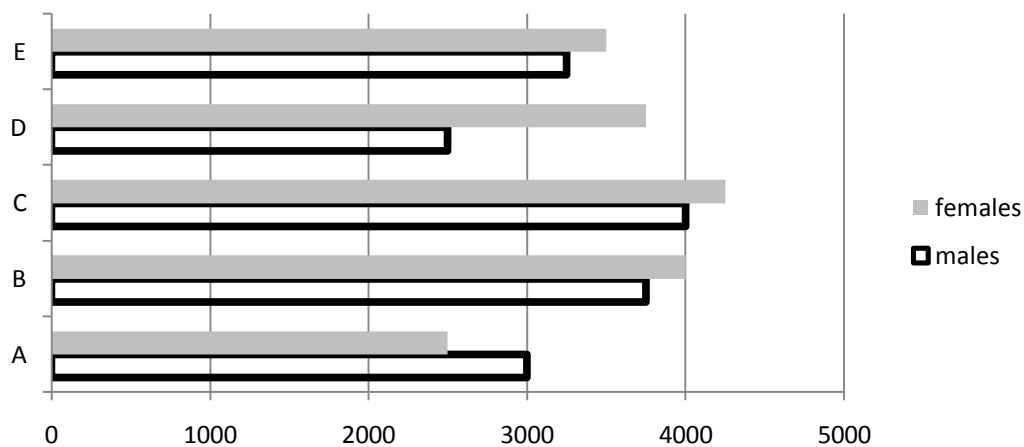
1. What is the average number of females from all the above organizations together?

    1) 3800   2) 3550   3) 3300   4) 3150   5) None of these

2. The number of males from organizations A is approximately what percent of the total number of males from all the organizations together?

    1) 18   2) 28   3) 11   4) 31   5) 36

3. What is the difference between the total number of females and the total number of males from all the organizations together?

    1) 1500   2) 1750   3) 1800   4) 2050   5) None of these

4. What is the ratio of the number of females from organization C to the number of females from organization E?

1) 14:17   2) 17:14   3) 14:15   4) 15:14   5) None of these

5. The number of females in Organization A is approximately what percent of total number of people in Organization A?

1) 45%   2) 50%   3) 40%   4) 48%   5) None of these

11. Population of two states (in lakhs) over the years
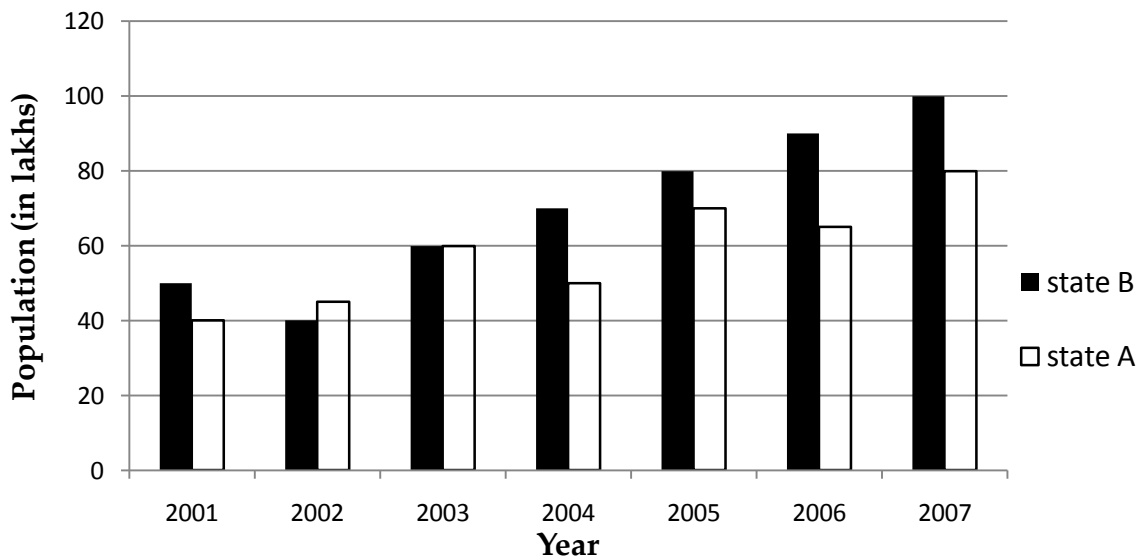
1. Approximately what is the average population of state A for all the given Years?

1) 65 lakhs   2) 50 lakhs   3) 48 lakhs   4) 58 lakhs   5) 52 lakhs

2. What is the ratio of the total population of state A for the years 2001, 2002 and 2003 together to the total population of state B for the years 2005, 2006 and 2007 together?

1) 27:53   2) 54:29   3) 39:54   4) 53:27   5) None of these

3. What is the per cent rise in the population of state B from 2003 to 2004?

1) 16.33   2) 16.66   3) 18.66   4) 18.33   5) None of these

4. What is the difference(in lakhs) in the total population of state A and the total population of state B for all the years together?

    1) 60   2) 80   3) 70   4) 90   5) None of these

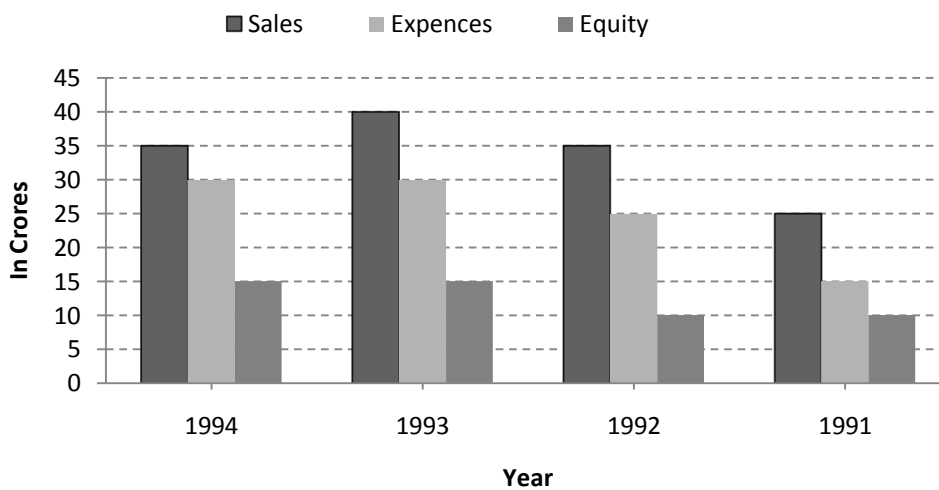5. For which state and in which year was the per cent rise in population from the previous year was the highest?

    1) State B-2003   2) State B-2002   3) State A-2004

    4) State A-2005   5) None of these

12. **Sales (S), Expenses (E) and the Equity Base (EB) of a company ABC Ltd over different years in ₹ Crores**

    Profit = Sales - expenses,

    Shareholder's return = Profit/Equity Base

    Profitability = Profit/Sales

1. Maximum profitability is attained during which year?

    1) 1992   2) 1991   3) 1993   4) 1994   5) None of these

2. Minimum shareholder's return is observed during

    1) 1994   2) 1991   3) 1993   4) 1992   5) None of these

3. Minimum profitability is observed during which year?

    1) 1991   2) 1992   3) 1993   4) 1994   5) None of these

4. Total profit over the period shown is (₹ crore)

    1) 30   2) 45   3) 35   4) 25   5) None of these

5. Expenses over the entire period as a percentage of Sales for the same period is

    1) 68 %   2) 74%   3) 60%   4) 80%   5) None of these

13. Number of people (in thousands) using three different types of mobiles services over the years
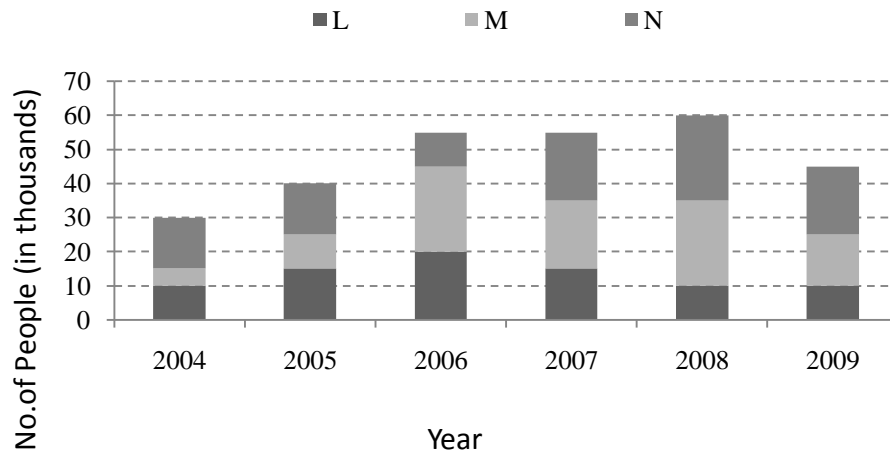
1. What is the average number of people using mobile service M for all the years together

    1) 162/3   2) 14444 1/6   3) 16666 2/3   4) 14 1/6   5) None of these

2. The total number of people using all the three mobile service in the year 2007 is what per cent of the total number of people using all the three mobile service in the year 2008? (rounded off to two digits after decimal)

   1) 89.72   2) 93.46   3) 88.18   4) 91.67   5) None of these

3. The number of people using mobiles service N in the year 2006 form approximately what per cent of the total number of people using all the three mobiles service in that year?

   1) 18   2) 26   3) 11   4) 23   5) 29

4. What is the ratio of the number of people using mobile service L in the year 2005 to that of those using the same service in the year 2004?

   1) 8 : 7   2) 3 : 2   3) 19 : 13   4) 15 : 11   5) None of these

5. What is the total number of people using mobile service M in the year 2008 and 2009 together?

   1) 35,000   2) 30,000   3) 45,000   4) 25,000   5) None of these

Model 4: Line Graphs

14. Investments (in ₹ Lakhs) of Two Business Partners A & B over the Years
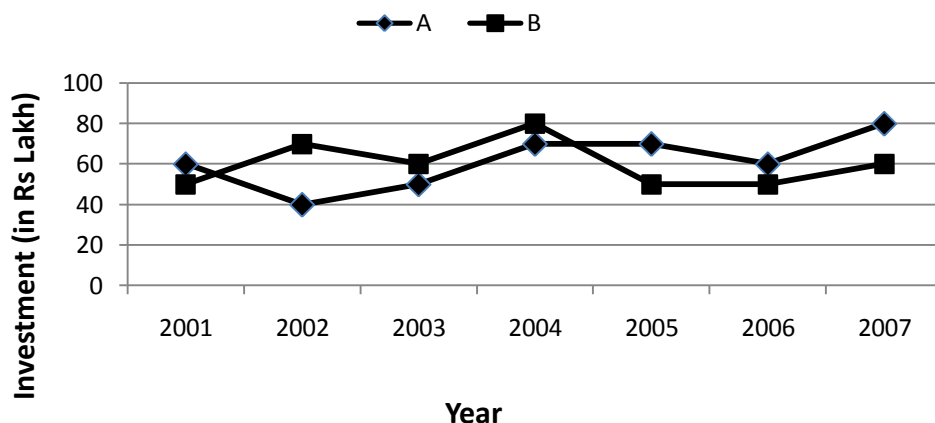
1. What was the per cent rise in A's investment in 2004 from the previous year?

   1) 25%   2) 20%   3) 33.33%   4) 33.66 %   5) None of these

2. Investment of B in 2003 is approximately what per cent of his total investment for all the years together?

   1) 12   2) 18   3) 20   4) 17   5) 14

3. What is the ratio of the total investment of A in 2001, 2002 and 2003 together to the total investment of B in these three years together respectively?

   1) 5:6   2) 6:5   3) 15:17   4) 17: 15   5) None of these

4. What was the per cent rise in investment of B in 2004 from 2001?

   1) 45.6   2) 37.5   3) 30   4) 60   5) None of these

5. What was the percent rise/fall in the total investment of A & B together from 2002 to 2005? (rounded off to two digits after decimal)

   1) 8.33% fall   2) 9.09% rise   3) 8.33% rise   4) 9.09% fall   5) None of these

15. Number of Candidates(in Lakhs) appearing for an Entrance Test from various Cities
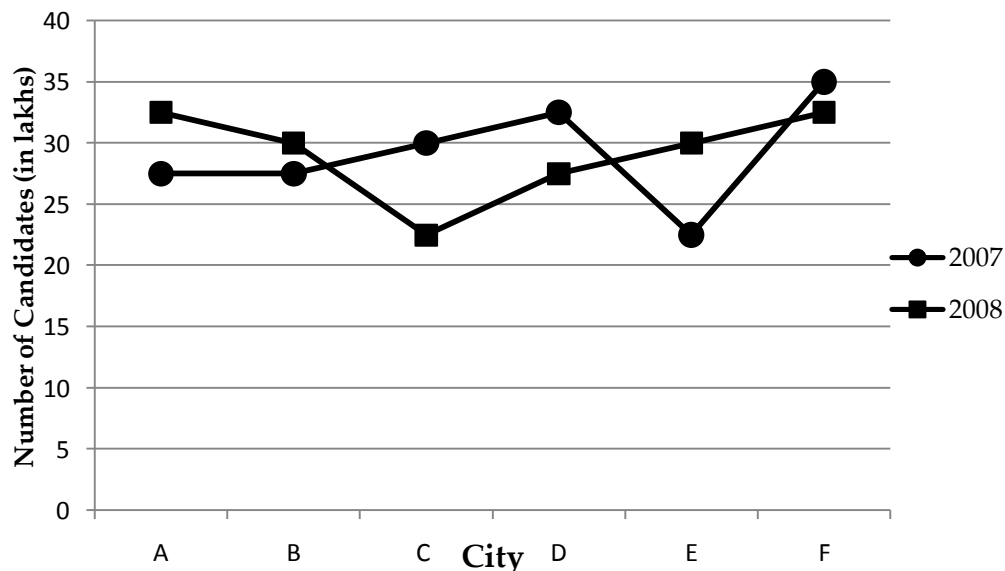
1. What is the ratio of the number of candidates appearing for the Entrance Test from city A to that from city D in the year 2008?

   1) 11:12   2) 13:11   3) 12:11   4) 11: 13   5) None of these

2. What is the approximate-average number of candidates appearing for the Entrance Test from all the cities together in the year 2007?

   1) 2800000   2) 2901000   3) 2755000   4) 2795000   5) 2917000

3. The number of candidates, appearing for the Entrance Test from city B in the year 2008 is approximately what percent of the number of candidates appearing for the Entrance Test from city C in the same year?

   1) 75   2) 112   3) 124   4) 133   5) 97

4. What is the ratio of the number of students appearing for the Entrance Test from cities A, Band C together in the year 2007 to the number of students appearing for the Entrance Test from cities D, E and F together in the same year?

   1) 18:17   2) 13:14   3) 17:18   4) 14:13   5) None of these

5. The number of candidates appearing for the Entrance Test from city E in the year 2008 is what per cent of the total number of candidates appearing for the Entrance Test from all the cities together in that year (rounded off to two digits after decimal)?

   1) 17.14   2) 15.43   3) 20.31   4) 14.49   5) None of these

16. Price (in ₹ per Kg) and Quantity sold (in Kg) of various commodities
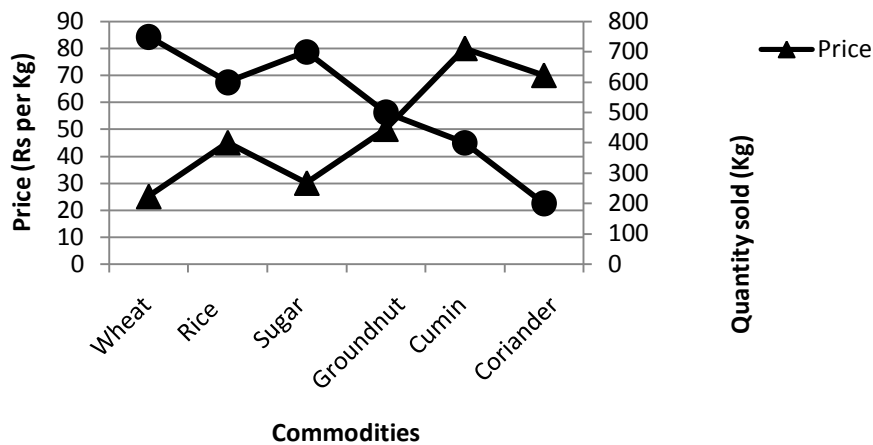
1. What is the average price per kg of wheat and rice sold? (rounded off to the nearest integer)

   1) ₹ 32   2) ₹ 34   3) ₹ 36   4) ₹ 35   5) ₹ 31

2. If cumin is sold at a 10% discount, the quantity sold doubles, what will be the cost of the total quantity of cumin sold on discount?

   1) ₹ 52,600   2) ₹ 28,800   3) ₹ 32,000   4) ₹ 57,600   5) None of these

3. Out of the total quantity of sugar sold, half the quantity is sold at the given rate while half the quantity is sold on a price increased by 20%. What is the total cost of the .entire quantity of sugar sold?

   1) ₹ 23, 100   2) ₹ 23,800   3) ₹ 22,400   4) ₹ 23,400   5) None of these

4. If the quantities sold of groundnut and cumin are interchanged, what will be the total cost of the quantities, sold for these two item together?

   1) ₹ 62,000   2) ₹ 60,000   3) ₹ 65,000   4) ₹ 63,000   5) None of these

5. If the quantity of coriander sold is increased by200% and the price per kg is reduced by 8%, what will be the total cost of coriander sold?'

1) ₹ 38,460   2) ₹ 36,480   3) ₹ 38,640   4) ₹ 36,840   5) None of these

**17. Percent profit made by two companies over the years**
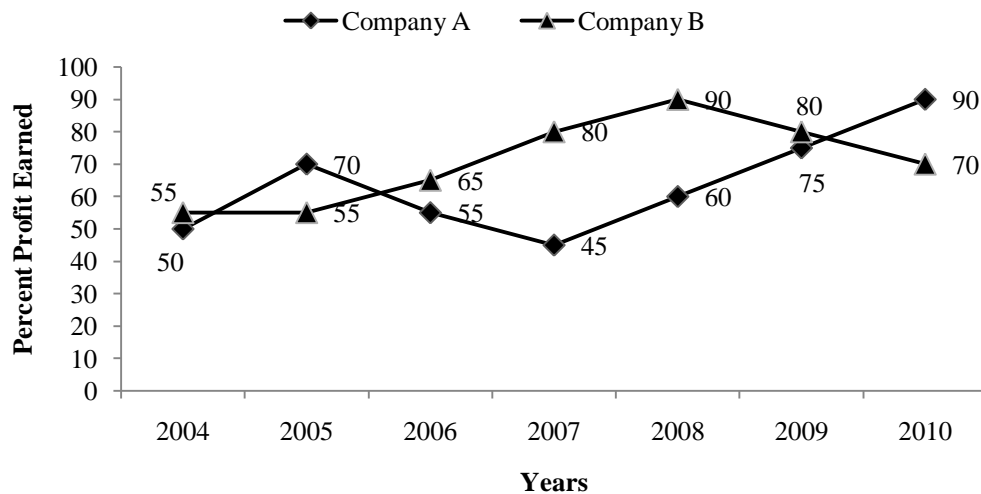
1. If the profit earned in 2006 by Company B was ₹ 8, 12,500.what was the total income of the company in that year?

1) ₹ 12,50,000   2) ₹ 20,62,500   3) ₹ 16,50,000   4) ₹ 18,25,000   5) None of these

2. If the amount invested by the two companies in 2005 was equal, what was the ratio of the total income of the Company A to that of B in 2005?

1) 31 : 33   2) 33: 31   3) 34 : 31   4) 14 : 11   5) None of these

3. If the total amount invested by the two companies in 2009 was ₹ 27 lakh, while the amount invested by Company B was 50% of the amount invested by Company A, what was the total profit earned by the two companies together? **[May 26, 2016 @ 1h 45m 20s]**

1) ₹ 21.15 lakh 2) ₹ 20.70 lakh 3) ₹ 18.70 lakh 4) ₹ 20.15 lakh 5) None of these

4. If the income of Company A in 2007 and that in 2008 were equal and the amount invested in 2007 was ₹ 12 lakh, what was the amount invested in 2008?

    1) ₹ 10,87,500   2) ₹ 10,85,700   3) ₹ 12,45,000   4) ₹ 12,85,000   5) None of these

5. If the amount of profit earned by Company A in 2006 was ₹ 10.15 lakh, what was the total investment?

    1) ₹ 13.8 lakh   2) ₹ 14.9 lakh   3) ₹ 15.4 lakh   4) ₹ 14.2 lakh   5) None of these

6. If the amount invested by Company B in 2004 is ₹ 12 lakh and the income of 2004 is equal to the investment in 2005, what is the amount of profit earned in 2005 by Company B?

    1) ₹ 6.6 lakh   2) ₹ 18.6 lakh   3) ₹ 10.23 lakh 4) ₹ 9.6 lakh   5) None of these

7. If the investment of Company A in 2007 and 2008 were equal, what is the difference between the profits earned in the two years if the income in 2008 was ₹ 24 lakh?

    1) ₹ 2.25 lakh   2) ₹ 3.6 lakh   3) ₹ 1.8 lakh   4) ₹ 2.6 lakh   5) None of these

8. If each of the companies A and B invested ₹ 25 lakh in 2010, what was the average profit earned by the two companies?

    1) ₹ 18 lakh   2) ₹ 22.5 lakh   3) ₹ 17.5 lakh   4) ₹ 20 lakh   5) None of these

Model 5: Mixed Charts

18. **Study the following graph and answer the following questions**

Percentage of employees in various departments of an organization
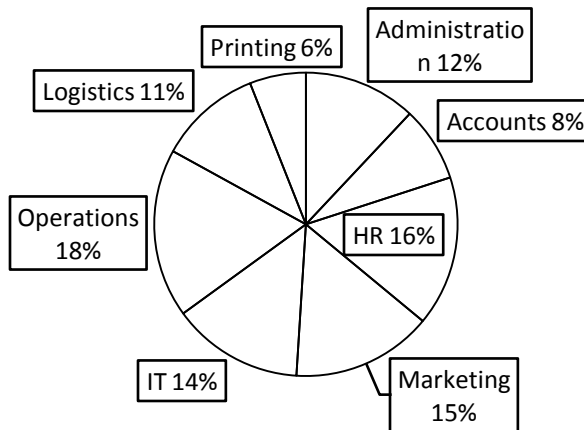
Total number of Employees = 2500

Male : Female ratio of the employees in various departments of an organization

Department	Male : Female
Administration	7 : 5
Accounts	2 : 3
HR	5 : 3
Marketing	7 : 8
IT	3 : 4
Operations	5 : 4
Logistics	6 : 5
Printing	2 : 1

1. What is the ratio of male employees in Administration to those in Printing Department?

   1) 7:4   2) 4:7   3) 3:4   4) 7:3   5) None of these

2. What is the difference between the total number of employees in IT and that in Operations Department?

    1) 75   2) 150   3) 100   4) 50   5) None of these

3. What is the ratio of the total number of males in HR and Marketing to the total number of females in these two departments?

    1) 13:15   2) 15:13   3) 13:17   4) 17:14   5) None of these

4. How many female employees are there in the HR Department?

    1) 250   2) 120   3) 125   4) 150   5) None of these

5. What is the difference between the numbers of male and female employees in Logistics Department?

    1) 50   2) 25   3) 75   4) 100   5) None of these

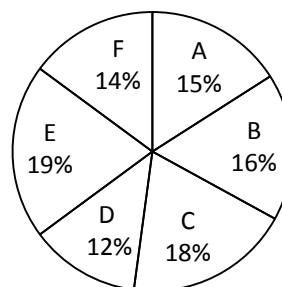**19. Study the following graph and answer the following questions**

Percentage of adult population (Graduates and upto XII std pass) in various states of the country
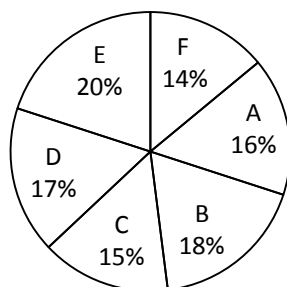
Graduates

Upto XII STD pass

Total = 24 lakhs

Total = 32 lakhs

Male : Female Ratio of the adult population in various states of the country

State	Graduates	Upton XII Std Pass
	M : F	M : F
A	7 : 5	7 : 9
B	5 : 3	3 : 5
C	5 : 4	4 : 5
D	9 : 8	5 : 7
E	9: 7	9 : 10
F	4 : 3	3 : 2

1. What is the difference between the Graduate male population and XII Std male population from State A?

    1) 24,000   2) 14,000   3) 28,000   4) 36,000   5) None of these

2. What is the ratio of the Graduate female population of State E to Std XII female population of State D?

    1) 7:5   2) 5:7   3) 16:15   4) 15:16   5) None of these

3. The Graduate female population of State C is what per cent of the Std XII female population of that State?

    1) 40   2) 62.5   3) 50   4) 52.5   5) None of these

4. Std XII male population of State C is what per cent of the total Std Xll population of all the states together?

    1) 8%   2) 12%   3) 11%   4) 9%   5) None of these

5. What is the ratio of the Graduate male population of State E to the Std XII female population of that State?

   1) 28:35   2) 35:28   3) 32:45   4) 45:32   5) None of these

6. Total Graduate population of State F is what per cent of the total Std XII population of State A?

   1) 56   2) 72   3) 68   4) 76   5) None of these

7. Std XII male population of State E is what per cent of the Std XII male population of State F?

   1) 70   2) 75   3) 68   4) 72   5) None of these

8. What is the ratio of the total Graduate and Std XII male population of State A to the total Graduate and Std XII female population of that State?

   1) 215 : 216   2) 214:215   3) 217: 215   4) 215: 217   5) None of these

9. What is the ratio of the total Graduate population of State D to the total Std XII population of that State?

   1) 17: 19   2) 19: 17   3) 64:51   4) 51: 64   5) None of these

10. The Graduate female population of State B is what percent of the Graduate female population of State E? (rounded off to the nearest integer)

    1) 129   2) 82   3) 77   4) 107   5) None of these

20. Study the following graph and answer the following questions

Percentage of Obese men. Obese women and obese children in the state for the given years
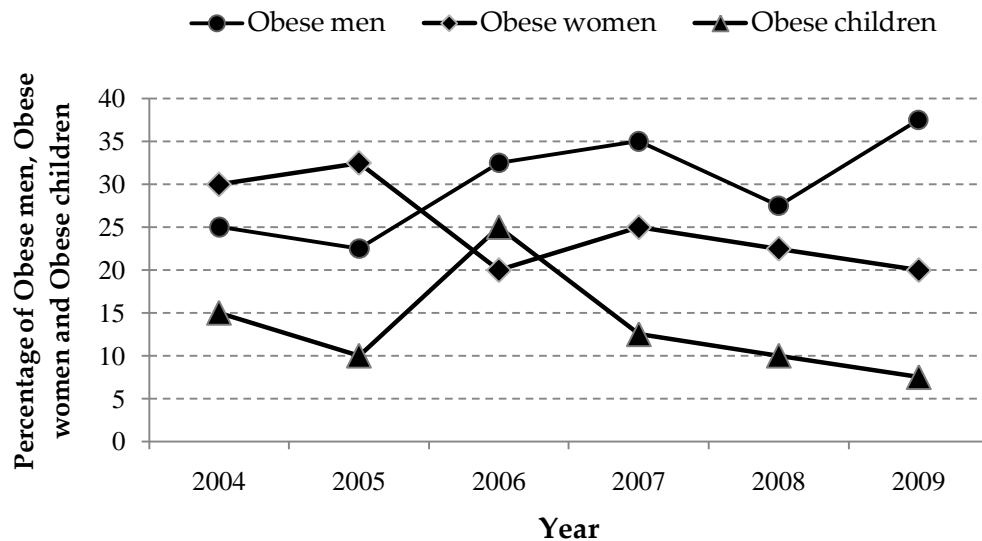
Total Number of Men, Women and Children in the state over the years

Year	Men	Women	Children
2004	54,000	38,000	15,000
2005	75,000	64,000	21,000
2006	63,000	60,000	12,000
2007	66,000	54,000	16,000
2008	70,000	68,000	20,000
2009	78,000	75,000	45,000

1. What was the approximate average of obese men, obese women and obese children in 2007?

   1) 12,683   2) 12,795   3) 12,867   4) 12,843   5) 12,787

2. The number of obese men in the year 2009 was what per cent of the men not suffering from obesity in the same year?

    1) 55   2) 60   3) 50.5   4) 65.5   5) None of these

3. What was the ratio of the obese women in the year 2006 to the obese men in the year 2008?

    1) 6 : 7   2) 21:65   3) 15:73   4) 48:77   5) None of these

4. What is the difference between the number of obese women and obese children together in the year 2006 and the number of obese men in the same year?

    1) 5,475   2) 5,745   3) 4,530   4) 31,650   5) None of these

5. What was the total number of children not suffering from obesity in the year 2004 and 2005 together?

    1) 4,350   2) 31,50   3) 4,530   4) 31,650   5) None of these

Answers

1	1 - 4	2 - 3	3 - 2	4 - 1	5 - 5
2	1 - 4	2 - 2	3 - 1	4 - 4	5 - 5
3	1 - 1	2 - 5	3 - 2	4 - 4	5 - 3
4	1 - 4	2 - 1	3 - 3	4 - 2	5 - 5
5	1 - 4	2 - 1	3 - 3	4 - 2	5 - 5
6	1 - 4	2 - 2	3 - 4	4 - 1	5 - 3
7	1 - 4	2 - 5	3 - 1	4 - 3	5 - 2
8	1 - 2	2 - 2	3 - 5	4 - 3	5 - 1
9	1 - 5	2 - 3	3 - 1	4 - 4	5 - 2
10	1 - 5	2 - 1	3 - 1	4 - 2	5 - 1
11	1 - 4	2 - 5	3 - 2	4 - 2	5 - 1
12	1 - 2	2 - 1	3 - 4	4 - 3	5 - 2
13	1 - 3	2 - 1	3 - 1	4 - 2	5 - 5
14	1 - 5	2 - 5	3 - 1	4 - 4	5 - 2
15	1 - 2	2 - 5	3 - 4	4 - 3	5 - 1
16	1 - 2	2 - 4	3 - 1	4 - 2	5 - 3
17	1 - 2	2 - 3	3 - 2	4 - 1	5 - 5
	6 - 3	7 - 1	8 - 4		
18	1 - 1	2 - 3	3 - 4	4 - 4	5 - 2
19	1 - 2	2 - 4	3 - 3	4 - 1	5 - 5
	6 - 5	7 - 2	8 - 3	9 - 1	10 - 3
20	1 - 3	2 - 2	3 - 4	4 - 1	5 - 4

Note: The date and time mentioned against some questions refer to the doubts clarification session on Quantitative Aptitude in which the question was solved.

Additional Examples

1. **Study the following data and answer the questions given below:**

	Amount in ₹		Percentage of		Amount in ₹	
Name of the books	Cost Price	Selling Price	Profit	Loss	Profit	Loss
Quantitative	-	-	-	25	-	-
Reasoning	1500	-	-	-	-	-
Marketing	1200	-	-	-	-	300
English	-	1830	-	40	-	-
Computer	2500	-	-	-	300	-

1. If by selling the Quantitative book for Rs.1750, the shopkeeper gains 25%, then what is the selling price of the Reasoning book, which is 6/7th of the cost price of the Quantitative book?

    1) 1400   2) 1500   3) 1200

    4) cannot be determined   5) None of these

2. Which is the selling price of the Reasoning book, if the profit earned is twice that of the loss bore in English book?

    1) 1220   2) 2440   3) 2950   4) 3950   5) None of these

3. If the cost price of the Quantitative book is 150% of the Marketing book, then what is the ratio of the selling price of Quantitative & Computer books to the cost price of the Quantitative & English book?

    1) 2:3   2) 57:92   3) 29:50   4) 83:97   5) None of these

4. The difference between the selling price of the Marketing & Computer book is approximately what percentage of the cost price of the English book?

    1) 43   2) 62   3) 21   4) 36   5) None of these
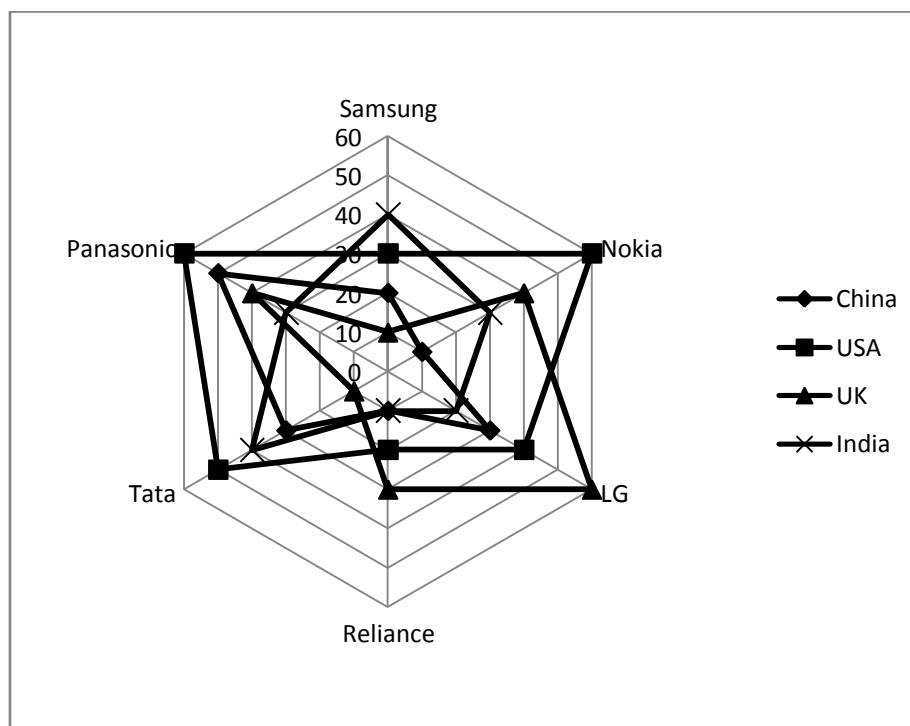
5. If the book Computer & Quantitative together have gained 5%. Find the approximate cost price of the Quantitative book?

    1) 639   2) 1084   3) 584   4) 1550   5) None of these

2. **Study the following graph and answer the questions given below:**

    Productions of items (in crore) of six companies in four countries.

1. Which company has the maximum production?

    1) Nokia   2) Panasonic   3) LG   4) Tata   5) Samsung

2. The production in which country is the maximum?

   1) India   2) UK   3) USA   4) China   5) Both UK and USA

3. The total production of LG and Nokia is what percentage more or less than the total production in the USA and the UK?

   1) 35.55%   2) 40.24%more   3) 42%less

   4) 31.92%less   5) 39% more

4. If Panasonic sells its items at the rate of Rs 500 per item and gets 45% profit, then what is its expenditure?

   1) ₹ 47000 crore   2) ₹ 14900 crore   3) ₹ 37900 crore

   4) ₹ 22500 crore   5) ₹ 49500 crore

5. If the rate of Tata and Samsung per item is Rs 450 and Rs 480 respectively and their profits are 25% and 30% respectively, then what is the ratio of their expenditure?

   1) 1397:1547   2) 2279: 2165   3) 3:4

   4) 1755:1344   5) 2:1

**3. Study the following table carefully and answers the following question**

Name	Nature of Interest	Principal	Amount	Year	Rate (%)
A	CI	₹ 10000	-----		4
B	SI	-----	₹ 29500	3	-----
C	CI	₹ 20000	-----	2	3
D	SI	-----	-----	4	-----
E	SI	-----	-----	5	2

1. What is the principal of B if the ratio of interest rate of A to that of B is 2:3?

    1) ₹ 10449   2) ₹ 20230   3) ₹ 25000   4) ₹ 17121   5) ₹ 25423

2. What is the amount of C, if the interest is compounded yearly for 2 years?

    1) ₹ 19165.7   2) ₹ 20320.9   3) ₹ 21218   4) ₹ 22418   5) ₹ 25300.5

3. If the ratio of principal of C to that of D is 4:5 and the rate of interest of D is 10% more than that of C, then what is the interest of D?

    1) ₹ 3300   2) ₹ 3000   3) ₹ 2010   4) ₹ 8500   5) ₹ 7500

4. At what rate of interest the amount of B becomes five times that of his principal?

    1) 63.58%   2) 69.96%   3) 60%   4) 133.33%   5) 162.58%

5. What is the amount of E when the principal of E is 20% more than that of A

    1) ₹ 13200   2) ₹ 13248.97   3) ₹ 14974.19   4) ₹ 32863.24   5) ₹ 1200

4. The following radar graphs show the Trade Growth (in $ billion) of world and China from the previous year for the year 1977 to 1985. Refer to the graphs to answer the questions that follow:
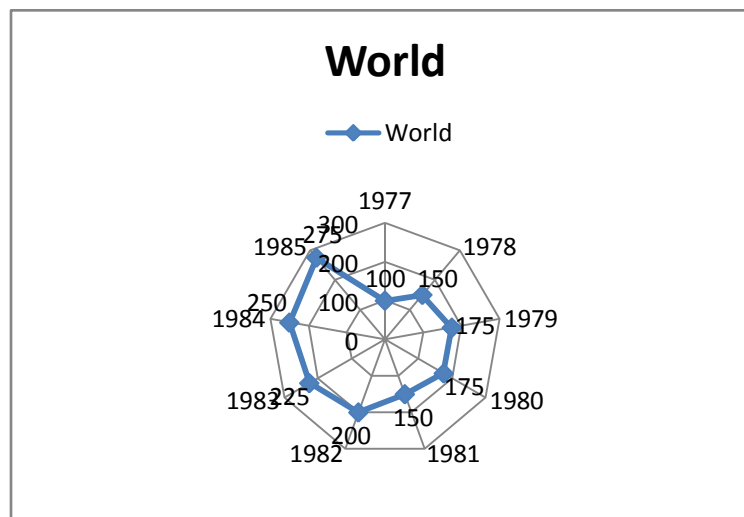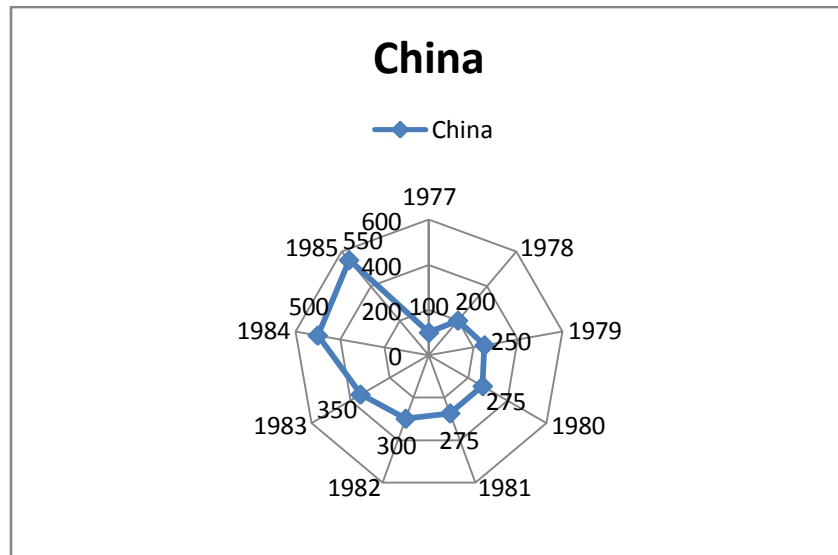
China

1. If the total of world in the year 1976 is $ 5267 billion, what will it be in the year 1985?

   1) $ 6176 billion   2) $ 6967 billion   3) $ 6965 billion

   4) $ 6987 billion   5) None of these

2. If the total trade of China in the year 1979 is $ 1200 billion, what will it be in the year 1985?

   1) $3456 billion   2) $ 3786 billion   3) $ 3954 billion

   4) $ 3450 billion   5) None of these

3. What is the approximate ratio of the total World trade to total trade of China in the year 1985, if the total trade of world in 1976 is $ 5267 billion and total of China in 1979 is $ 1200 billion?

   1) 2:1   2) 3:1   3) 2:3   4) 3:2   5) None of these

4. Average world trade growth is how much per cent more or less than the average trade growth of China during the entire shown period?

   1) more, 25%   2) less, 30%   3) less, 39%   4) more, 80%   5) None of these

5. What is the percent increase in trade growth of China in the year 1980 over that of the same in 1979?

   1) 70%   2) 10%   3) 17%   4) more, 35%   5) None of these

5. Study the following table carefully and answers the following questions.

Field Name	Shape	Side (m)	Base (m)	Height (m)	Radius (m)	Cost of flooring (₹/sq m)	Cost of Fencing (in Rs./m)
Blue	Triangle		16	12	----	50	20
Red	Rectangle	10x20	----	----	----	30	15
Green	Square	15	----	----	----	40	18
Violate	Parallelogram	----	20	12	----	60	25
Yellow	Circle	----	----	----	10	45	22

1. What is the cost of flooring of Blue?

   1) ₹4000   2) ₹4600   3) ₹ 4800   4) ₹ 5000   5) ₹ 4400

2. What is the difference between the cost of fencing of Green and that of Red?

   1) ₹180   2) ₹120   3) ₹240   4) ₹360   5) ₹480

3. What is the ratio of cost of flooring to that of fencing of field Violate?

   1) 4:1   2) 6:1   3) 8:1   4) 9:1   5) 5:1

4. The cost of fencing of field Yellow is approximately what percentage of the cost of flooring of field Green?

1) 10.5%   2) 19.46%   3) 18.71%   4) 15.36%   5) 13.82%

5. The cost of fencing of field Green is what percent of the cost of fencing of field violate?

1) 87.45%   2) 67.5%   3) 72.13%   4) 54.36%   5) 46.5%

Answers

1	1 - 3	2 - 5	3 - 4	4 - 2	5 - 3
2	1 - 2	2 - 3	3 - 1	4 - 5	5 - 4
3	1 - 3	2 - 3	3 - 1	4 - 4	5 - 1
4	1 - 2	2 - 4	3 - 1	4 - 3	5 - 2
5	1 - 3	2 - 1	3 - 4	4 - 4	5 - 2