

## CLASS WORK

**Directions for Q1 to Q5:** Answer the questions based on the following information.

The following table gives the percentage change in the sales of Mobile phones over that in the previous year for five companies.

Company	2002	2003	2004	2005	2006
Tokia	10%	20%	- 15%	25%	8%
Zamsung	15%	25%	- 30%	8%	20%
Notorola	10%	- 10%	15%	20%	15%
Mericsson	- 10%	20%	10%	15%	- 10%
Rower	20%	15%	10%	- 20%	30%

Here “-” indicates decrease.

The following table gives the total sales of the given companies in the year 2001(Number of pieces in Millions)

Year	Tokia	Zamsung	Notorola	Mericsson	Rower
2001	32	48	56	50	60

- What is the total number of Tokia mobiles sold(in million) in 2006(approximately)?  
(a) 50 (b) 45 (c) 48 (d) 52
- What is the ratio of number of Zamsung mobiles sold in 2004 to the number of Mericsson mobiles sold in the same year?  
(a) 10:13 (b) 121:360 (c) 11:12 (d) None of these
- What is the approximate difference between the number of Notorola mobiles sold in 2005 and the number of Rower mobiles sold in the same year(in millions)?  
(a) 3.5 (b) 5 (c) 10 (d) 13
- What is the total number of mobiles sold by the given companies in 2002(in millions)?  
(a) 253 (b) 269 (c) 274 (d) 263
- How many Zamsung mobiles were sold in 2005 (in millions)?  
(a) 52.164 (b) 55.384 (c) 50.286 (d) 49.268

**Directions for Q6 to Q10:** Answer the questions based on the following table which gives the data relating to salt industry over a period of four years. All figures are in lakhs of tonnes(Lt).

	2007-08(Actual)	2008-09(Provisional)	2009-10(Estimate)	2010-11(Forecast)
Opening stock with factories	41	88	169	88
Buffer stock	85	62	56	67
Production	275	300	180	230
<b>Total supply</b>	360	450	405	385
OFF take Domestic	180	190	200	210
Exports	30	35	50	40
<b>Total demand</b>	210	225	250	250
<b>Balance</b>	150	225	155	135

Note: Balance = Total supply - Total demand

- Supposing that in 2007-08, the domestic demand for salt was 20% more than the value given and the forecast production in 2010-11 was 30% less, then find the difference between the two values(in lakh tonnes).  
(a) 69 (b) 52 (c) 55 (d) 50

7. Supposing that in 2007–08, the total demand for salt was 12% higher than that mentioned in the table, then the new total supply demand gap for 2007–08 (if all other values remained the same) would be (in lakh tonnes)  
(a) 124.8 (b) 114.8 (c) 104.8 (d) 94.8
8. The excess of forecast demand for 2010–11 over the estimated total demand for 2009–10 is (in lakh tonnes)  
(a) 3.2 (b) 1.6 (c) 0.8 (d) Nil
9. Find the percentage growth in domestic demand over the given period.  
(a)  $8\frac{1}{3}\%$  (b)  $16\frac{2}{3}\%$  (c) 10% (d) 20%
10. Find the percentage increase in the production from 2007–08 to 2008–09.  
(a) 9.1 % (b) 12% (c) 13% (d)  $8\frac{1}{3}\%$

**Directions for Q11 to Q15:** Answer the questions based on the following information.

Percentage of marks obtained by six students in five different subjects.

Subject	Maximum marks	Students					
		A	B	C	D	E	F
Maths	150	70	80	74	90	84	60
Science	125	60	40	80	84	68	92
English	120	50	70	65	75	45	85
Hindi	75	64	76	56	48	80	76
Social Studies	80	65	75	60	80	55	45

11. What percentage of the maximum marks is scored by C in the five subjects put together?  
(a) 72% (b) 69% (c) 71% (d) 68%
12. What is the average of the marks scored by the six students in Science?  
(a)  $\frac{187}{2}$  (b)  $\frac{153}{2}$  (c)  $\frac{146}{3}$  (d)  $\frac{265}{3}$
13. What is the ratio of the marks scored by C in Science and English put together to the marks scored by E in Social and English put together?  
(a) 89:54 (b) 89:49 (c) 101:93 (d) None of these
14. Who among A, B, D and E secured the highest total marks in the given five subjects?  
(a) A (b) B (c) D (d) E
15. What is the difference between the total marks scored by D and F in the five subjects?  
(a) 30 (b) 25 (c) 40 (d) 45

**Directions for Q16 to Q20:** Answer the questions based on the following table which gives information on the number of employees working on various platforms in a computer firm.

Year	Visual Basic	Oracle	C++	Auto Cad	Java
1995	60	45	15	10	–
1996	56	48	18	8	–
1997	42	44	16	5	20
1998	38	32	12	8	42
1999	32	36	14	10	68

16. Which platform had more than 15% of the total number of employees every year through the period 1995–1999?  
(a) Visual Basic (b) Oracle (c) Oracle and Java (d) Visual Basic and Oracle
17. In which year did the total number of employees decrease when compared with the previous year?  
(a) 1996 (b) 1997 (c) 1998 (d) 1999
18. The number of employees in the year in which the firm had the maximum number of employees exceeds the number of employees in the firm in the year in which it had the minimum number by approximately what percentage?  
(a) 26% (b) 33.3% (c) 40% (d) 24%
19. If 25% of employees of Java platform leave the firm in 1999 for other countries, then approximately what percentage of the total employees would have left the organization?  
(a) 5% (b) 10% (c) 16% (d) 25%
20. In which year is the number of employees in Oracle and C++ platform equal to the number of employees in Visual Basic?  
(a) 1996 (b) 1998 (c) 1999 (d) None of these

## HOME ASSIGNMENT

**Directions for Q1 to Q5:** Answer the questions based on the following table which gives the details of the assistance provided under the World Bank Aided programmes.

Period	Number of assisted families(in lakh)		Funds in crores		Credit mobilized in crores
	Target	Achievement	Allocated	Utilized	
2002–03	41	45	208	224	490
2003–04	56	58	466	412	790
2004–05	68	71	419	430	860
2005–06	62	64	405	480	910
2006–07	58	59	210	370	980

Total assistance provided = funds utilized + Credit mobilized

1. Regarding the number of assisted families, the achievement was closest to the target in  
(a) 2003–04 (b) 2004–05 (c) 2005–06 (d) 2006–07
2. The allocated fund per family assisted was maximum in  
(a) 2002–03 (b) 2003–04 (c) 2004–05 (d) 2005–06
3. The percentage increase in achievement in the number of families assisted from 2002–03 to 2006–07 is  
(a) 30.24 (b) 31.11 (c) 31.89 (d) 32.32
4. The amount of assistance provided to each family in 2005–2006 was approximately (in rupees)  
(a) 2171 (b) 2191 (c) 2180 (d) 2080
5. In which year was the credit mobilized the minimum?  
(a) 2002–03 (b) 2003–04 (c) 2004–05 (d) 2005–06

**Directions for Q6 to Q10:** The following table represents the exports of different crops in tonnes for various years. Read the table carefully and answer the questions that follow.

Year	Export of Cotton	Export of Tobacco	Export of Maize	Export of Wheat
1979–80	480	130	180	320
1980–81	500	180	244	420
1981–82	430	210	230	450
1982–83	580	280	340	490
1983–84	850	220	300	550

6. During the period 1979–80 to 1983–84 what approximate percentage of the total exports was cotton?  
(a) 38.45 (b) 37.62 (c) 40.37 (d) 42.15
7. What is the approximate percentage decrease in the export of maize from 1980–81 to 1981–82?  
(a) 5.5% (b) 5.85% (c) 5.62% (d) 5.74%
8. The approximate percentage increase in export of cotton in 1983–84 over the previous year is  
(a) 39.2% (b) 35.7% (c) 31.8% (d) 46.6%
9. The ratio of the exports of tobacco and wheat together in 1980–81 to that of the exports of cotton and maize together in 1983–84 is  
(a) 10:9 (b) 3:4 (c) 7:5 (d) None of these
10. The percentage increase in the exports of wheat over the previous year was maximum in  
(a) 1980–81 (b) 1981–82 (c) 1982–83 (d) 1983–84

### ANSWER KEY

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|--------|--------|--------|--------|---------|
| 1. (d) | 2. (b) | 3. (b) | 4. (a) | 5. (a)  |
| 6. (a) | 7. (d) | 8. (d) | 9. (d) | 10. (a) |

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