# Quiz. No. 1

Name : _____          Roll No : _____

## Write your Answers in the tables provided below the questions.

## If you are caught cheating you are surely going to get a straight zero.

Part a ) The table below shows the unit sales of the TT950 motorcycle in six European countries over a six month period. These motorcycles are imported into each country by a main dealer.

| Country | Jan | Feb | March | April | May | Jun | Total |
|---------|-----|-----|-------|-------|-----|-----|-------|
| Germany | 34 | 47 | 45 | 54 | 56 | 60 | 296 |
| UK | 40 | 44 | 36 | 47 | 47 | 46 | 260 |
| France | 37 | 32 | 32 | 32 | 34 | 33 | 200 |
| Belgium | 14 | 14 | 14 | 16 | 17 | 14 | 89 |
| Spain | 29 | 29 | 28 | 31 | 29 | 31 | 177 |
| Italy | 22 | 24 | 24 | 26 | 25 | 23 | 144 |
| **Total** | 176 | 190 | 179 | 206 | 208 | 207 | 1166 |

Use the above information to answer the following questions.

01. What percentage of the overall total was sold to the German importer?
    a. 22.0
    b. 25.4
    c. 25.8
    d. 24.1
    e. 24.6

02. What percentage of the overall total was sold in May?
    a. 24.1
    b. 25.6
    c. 27.1
    d. 17.9
    e. 20.3

03. Which month showed the biggest increase in total sales from the previous month?
   a. Feb
   b. Mar
   c. Apr
   d. May
   e. Jun

04. What percentage of the monthly total was sold to the biggest importer in February?
   a. 24.7
   b. 23.1
   c. 36.5
   d. 51.1
   e. 15.1

05. What is the average number of units per month imported into Italy over the first four months of the year?
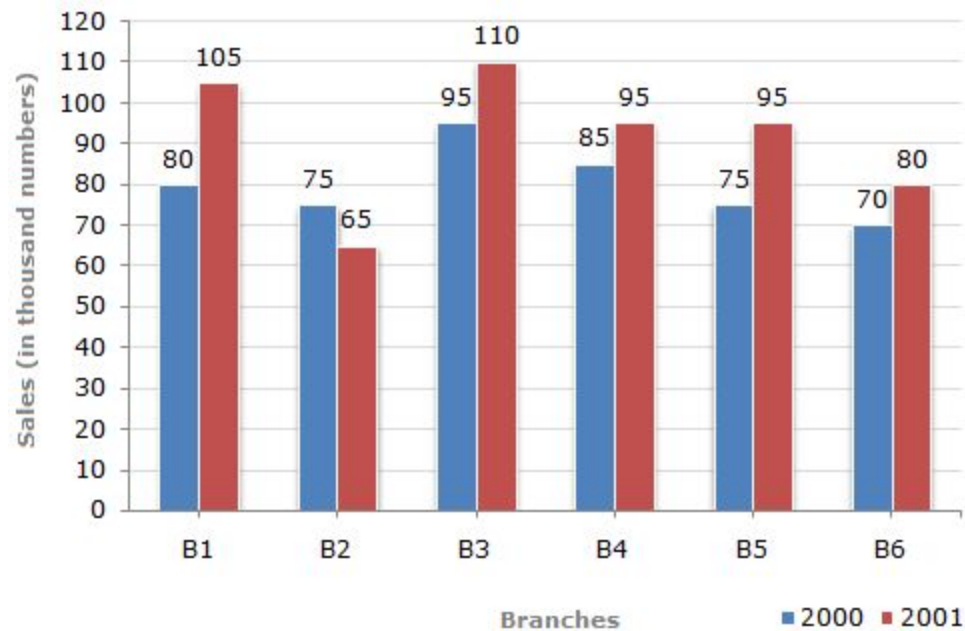   a. 22
   b. 23
   c. 24
   d. 25
   e. 26

06. What percentage of total imports is accounted for by the three smallest importers?
   a. 37.1
   b. 14.8
   c. 40.0
   d. 36.6
   e. 35.1

Write your selected option in below cell :

| Q. No. 01 | Q. No. 02 | Q. No. 03 | Q. No. 04 | Q. No. 05 | Q. No. 06 |
|-----------|-----------|-----------|-----------|-----------|-----------|
| B | D | C | A | C | E |

**Part b) The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.**



Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.

Note : In each Branch -  B1, B2, B3, B4, B5 and B6 the Left bar is for year 2000 and right bar is for year 2001. The original color was blue and red but it got all black after printing.

**01.** What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years?
   a.  2 : 3
   b.  3 : 5
   c.  4 : 5
   d.  7 : 9

**02.** Total sales of branch B6 for both the years is what percent of the total sales of branches B3 for both the years?
   a.  68.54%
   b.  71.11%
   c.  73.17%
   d.  75.55%

03. What percent of the average sales of branches B1, B2 and B3 in 2001 is the average sales of branches B1, B3 and B6 in 2000?
   a. 75%
   b. 77.5%
   c. 82.5%
   d. 87.5%

04. What is the average sales of all the branches (in thousand numbers) for the year 2000?
   a. 70
   b. 80
   c. 83
   d. 88

05. Total sales of branches B1, B3 and B5 together for both the years (in thousand numbers) is?
   a. 250
   b. 310
   c. 435
   d. 560

Write your selected option in below cell :

| Q. No. 01 | Q. No. 02 | Q. No. 03 | Q. No. 04 | Q. No. 05 |
|-----------|-----------|-----------|-----------|-----------|
| D         | C         | D         | B         | D         |

Part c ) A factory employs three machines M1, M2 and M3 to manufacture three products X, Y and Z. Each machine runs for 12 hours a day. The following table gives the time taken (in minutes) by each machine to manufacture 1 unit of each of the products.

|   | M1 | M2 | M3 |
|---|----|----|----|
| X | 12 | 15 | 16 |
| Y | 18 | 9  | 15 |
| Z | 10 | 18 | 12 |

01. What is the maximum number of products that can be manufactured in a day?
    a. 125
    b. 155
    c. 200
    d. 212

02. On a particular day, the demand for 40 units of X and 50 units of Y must be met. If the remaining production is of product Z only, what is the maximum number of units of Z that can be manufactured on that day?
    a. 81
    b. 85
    c. 99
    d. None of these

03. A unit of Y can be manufactured only after 3 units of X and 4 units of Z have been manufactured. What is the minimum time required to manufacture 15 units of Y?
    a. 1359 minutes
    b. 1442 minutes
    c. 1556 minutes
    d. 1655 minutes

Write your selected option in below cell :

| Q. No. 01 | Q. No. 02 | Q. No. 03 |
|-----------|-----------|-----------|
| D         | C         | A         |