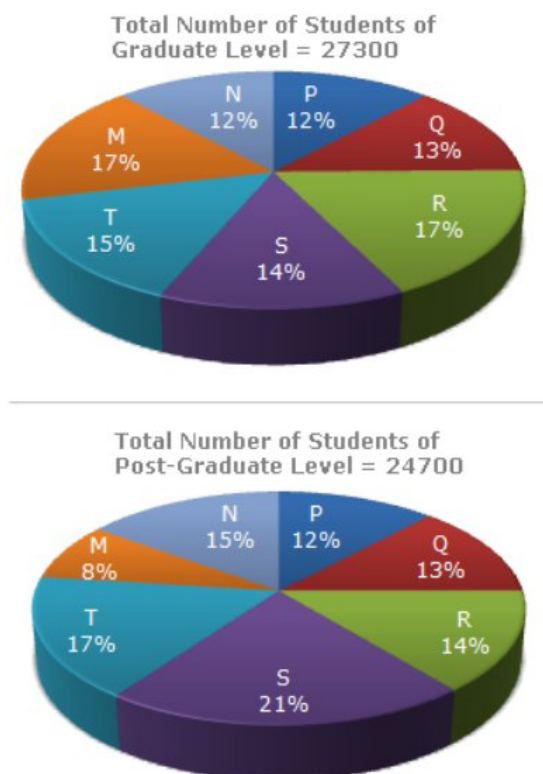# Pie Charts

Instructor: Akash Bhattacharya

Q1)

The following pie-charts show the distribution of students of graduate and post-graduate levels in seven different institutes in a town.

Distribution of students at graduate and post-graduate levels in seven institutes:

Total Number of Students of Graduate Level = 27300

N 12% | P 12% | Q 13% | R 17% | S 14% | T 15% | M 17%

Total Number of Students of Post-Graduate Level = 24700

N 15% | P 12% | Q 13% | R 14% | S 21% | T 17% | M 8%

1. What is the total number of graduate and post-graduate level students is institute R?

(a) 8320

(b) 7916

(c) 9116

(d) 8099

2. What is the ratio between the number of students studying at post-graduate and graduate levels respectively from institute S?

(a) 14 : 19

(b) 19 : 21

(c) 17 : 21

(d) 19 : 14

3. How many students of institutes of M and S are studying at graduate level?

(a) 7516

(b) 8463

(c) 9127

(d) 9404

4. What is the ratio between the number of students studying at post-graduate level from institutes S and the number of students studying at graduate level from institute Q?

(a) 13 : 19

(b) 21 : 13

(c) 13 : 8

(d) 19 : 13

5. Total number of students studying at post-graduate level from institutes N and P is
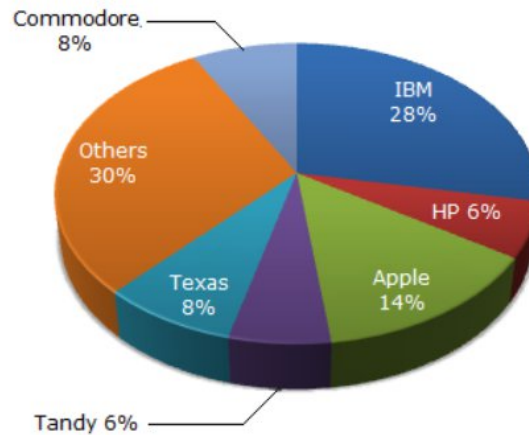
(a) 5601
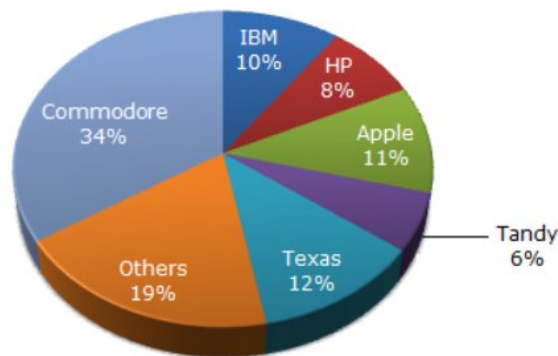
(b) 5944

(c) 6669

(d) 8372

Q2)

The pie chart shows the distribution of New York market share by **value** of different computer companies in 2005.

The pie chart shows the distribution of New York market share by **volume** of different computer companies in 2005.

Number of units sold in 2005 in New York = 1,500

Value of units sold in 2005 in New York = US $1,650,000.

1. For the year 2005, which company has realised the lowest average unit sales price for a PC?

(a) Commodore

(b) IBM

(c) Tandy

(d) Cannot be determined

2. Over the period 2005-2006, if sales (value-wise) of IBM PC's increased by 50% and of Apple by 15% assuming that PC sales of all other computer companies remained the same, by what percentage (approximately) would the PC sales in New York (value-wise) increase over the same period?
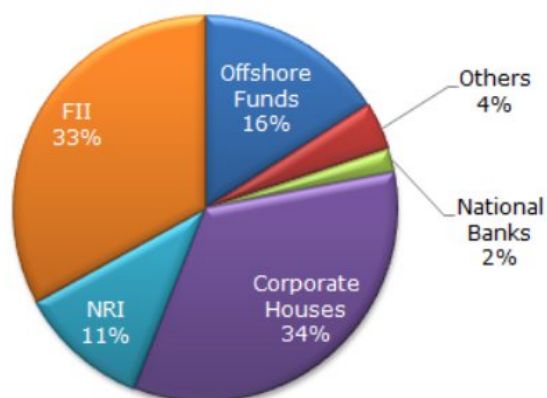
(a) 16.1 %

(b) 18 %

(c) 14 %

(d) None of these

3. In 2005, the average unit sale price of an IBM PC was approximately (in US$)

(a) 3180

(b) 2800

(c) 393

(d) 3080

Q3)

The following pie chart shows the amount of subscriptions generated for India Bonds from different categories of investors.

Subscriptions Generated for India Bonds

1. In the corporate sector, approximately how many degrees should be there in the central angle?

(a) 120

(b) 121

(c) 122

(d) 123

2. If the investment by NRI's are Rs 4,000 crore, then the investments by corporate houses and FII's together is:

(a) 24,000 crore

(b) 24,363 crore

(c) 25,423 crore

(d) 25,643 crore

3. What percentage of the total investment is coming from FII's and NRI's ?

(a) 33 %

(b) 11 %

(c) 44 %

(d) 22 %

4. If the total investment other than by FII and corporate houses is Rs 335,000 crore, then the investment by NRI's and Offshore funds will be (approximately) ?

(a) 274,100

(b) 285,600

(c) 293,000

(d) Cannot be determined

5. If the total investment flows from FII's were to be doubled in the next year and the investment flows from all other sources had remained constant at their existing levels for this year, then what would be the proportion of FII investment in the total investment into India Bonds next year (in US $ millions)?
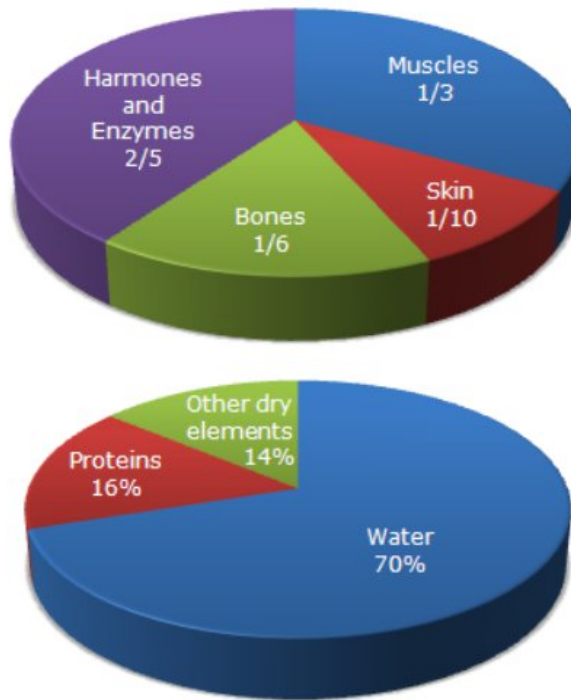
(a) 40 %

(b) 50 %

(c) 60 %

(d) 70 %

Q4)

Study the following pie-diagrams carefully and answer the questions given below it:

Percentage Composition of Human Body

1. What percent of the total weight of human body is equivalent to the weight of the proteins in skin in human body?

(a) 0.016

(b) 1.6

(c) 0.16

(d) Data inadequate

2. What will be the quantity of water in the body of a person weighing 50 kg?

(a) 20 kg

(b) 35 kg

(c) 41 kg

(d) 42.5 kg

3. What is the ratio of the distribution of proteins in the muscles to that of the distribution of proteins in the bones?

(a) 1 : 18

(b) 1 : 2

(c) 2 : 1

(d) 18 : 1

4. To show the distribution of proteins and other dry elements in the human body, the arc of the circle should subtend at the centre an angle of:

(a) 54°

(b) 126°

(c) 108°

(d) 252°

5. In the human body, what part is made of neither bones nor skin?

(a) 1/40

(b) 3/80

(c) 2/5

(d) None of these