8. **Combination of 2 or more charts**
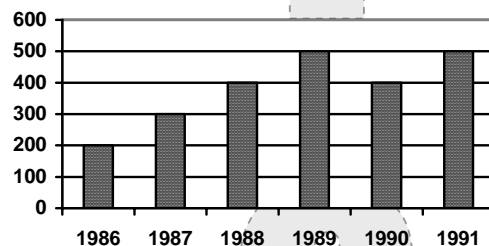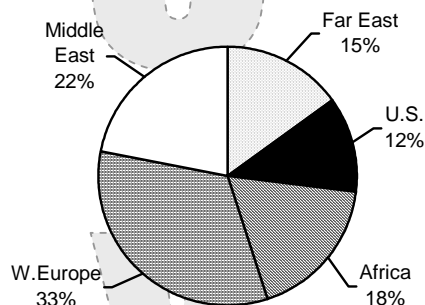
    Other forms of representation of data include cases/caselets as well as combination of two or more of above forms of data-representation.

    EXAMPLE:

    BAR CHART AND PIE CHART:

    The chart given below gives export figures for various years from 1986 to 1991 while the Pie chart gives us share of different geographical zones in the world for the year 1990.

    EXPORT OF LEATHER GOODS in (Rs. Crores)

> **TIP**
> Always set an order of questions – sets that you have to attempt first, second, third etc.

EXPORT IN 1990
Proportion of Zones

1. What is the percentage increase in exports of Leather goods from 1986 to 1989?

    (1) 50%   (2) 150%   (3) 250%   (4) 300%

Sol. Percentage increase in exports of Leather goods from 1986 to 1989 $= \dfrac{500-200}{200} \times 100 = 150\%$

Answer: (2)

2. What is the total value of the Leather goods exported from India to Africa in 1990?

    (1) 18 crores   (2) 72 crores   (3) 90 crores   (4) 180 crores

Sol. Total value of the Leather goods exported from India to Africa in 1990 = 18% of 400 = 72 crores.

Answer: (2)

3.   By what percentage, the exports from India to W.Europe is more than that to Middle East in 1990?

(1) 11%   (2) 25%   (3) 50%   (4) 100%

Sol.   Value of exports from India to W.Europe = 33%

Value of exports from India to Middle East = 22%

Required percentage = $\dfrac{33-22}{22} \times 100 = 50\%$ **Answer: (3)**

EXAMPLE:

Chart 1 shows the distribution of twelve million tones of crude oil transported through different modes over a specific period of time. Chart 2 shows the distribution of the cost of transporting this crude oil. The total cost was Rs. 30 million.
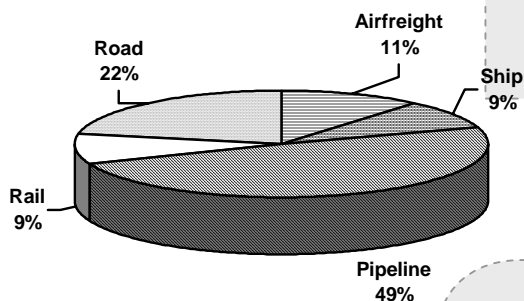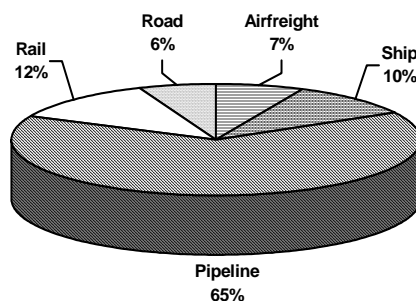

Chart 1: Volume Transported   **Chart 2: Cost of Transportation**

1.   The cost in rupees per tonne of oil moved by rail and road happens to be roughly

(1) 3   (2) 1.5   (3) 4.5   (4) 8

2.   From the charts given, it appears that the cheapest mode of transport is

(1) Road   (2) Rail   (3) Pipeline   (4) Ship

3.   If the costs per tonne of transport by ship, air and road are represented by P, Q and R respectively, which of the following is true?

(1) R > Q > P   (2) P > R > Q   (3) P > Q > R   (4) Q > P > R

ANSWERS

1.   **Answer: (2)**

2.   **Answer: (1)**

3.   **Answer: (3)**