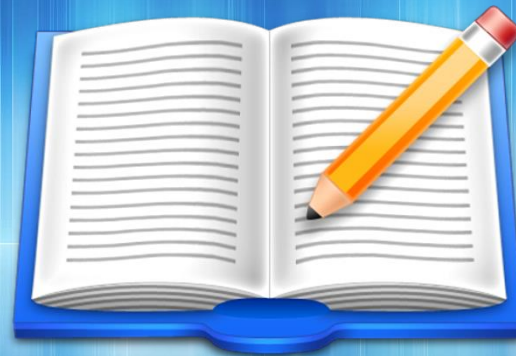VCZ

COMPUTER BASIC CONCEPTS
CHAPTER 1 - ANSWERS

EVANGELOS C. ZIOULAS (IT TEACHER)

EXERCISE 1

- If we know what time it is now and what time the bell is scheduled to ring (**Data**) then we can calculate how many minutes we need to take a brake (**Information**).

- We can get information through the appropriate data processing.

- Computer helps data processing to be fast as well as it stores huge amounts of data and information.

EXERCISE 2

- **Data**: Humidity, temperature, wind speed, wind direction, barometric pressure and satellite photos.

- **Information**: Tomorrow morning the temperature in eastern Greece ranges between 20-24 degrees, the intensity of the wind in the north Aegean will be medium ranging between 5-6 beaufort.

- First, computers are needed to make billions of calculations everyday to produce weather forecast, so mistakes become inevitable. Second, nature is not absolutely controllable. Finally, it seems impossible for meteorologists to collect all the necessary elements to make weather forecast.

- Fishermen, farmers, pilots, drivers, gardeners etc.

EXERCISE 3

- **Data**: name of student, name of father, name of school, class of student, school year, number of absences, number of justified absences, names of lessons, grades of lessons etc.

- **Information**: average grade of student, success or failure of student to pass the class, characterization of student (excellent, very good, good, poor, failed)