

## QUESTION 6

Polygram Enterprises maintains its inventory in a central warehouse, and a manual system is used to track and control purchases of inventory. Record sheets contain the following information:

- vendor number
- vendor name
- vendor address
- Item number
- PO number
- date of purchase
- unit cost
- description
- quantity purchased
- quantity on hand
- purchasing agent
- total amount of purchase
- extended amount.

### Required:

- a) Design a relational database for to track purchases of inventory. In your design, identify the primary key, foreign key and attributes for each table to store this data.
  
- b) By using a diagram, demonstrate the difference between file-oriented transaction processing systems and relational database systems? Discuss the advantages and disadvantages of these systems.