BA SANGAM COLLEGE
YEAR 13
COMPUTER
WORKSHEET 2

QUESTION 1   **INFORMATION SYSTEMS**

i.   A soft drink company decides to branch out into a new business segment.

   a. Which department would be responsible for this?

   b. They finally agree to venture into the bottled water business. Which activity of the department you named in (a) above was responsible for assisting in determining this?

ii.   The accounting department handles six activities. Five of these are sales order processing, accounts receivable, inventory and purchasing, accounts payable and General Ledger. Identify and explain the sixth activity.

iii.   Differentiate between the responsibilities of a middle level manager and a top level manager.

iv.   Why is the information flow in the middle level of management both vertical and horizontal?

v.   One type of information system is Knowledge Work Systems. What are KWS's? Give an example of where KWS may be used.

vi.   Office Automation Systems (OASs): are designed primarily to support data workers. What do these systems primarily focus on?

QUESTION 2   **SYSTEMS ANALYSIS AND DESIGN**

i.   Why is a report prepared at the end of each of the initial phases in SAD?

ii.   One of the phases of SAD is System Design. Using an example explain the three steps involved in this phase.

iii.   Out of all the Conversion methods, pilot and phased approaches are the most favoured. When would you use the pilot approach for implementation?

iv.   There are a few alternatives Systems Analysis and Design.
   a. One alternative is prototyping. Why would you use prototyping? Give one reason.

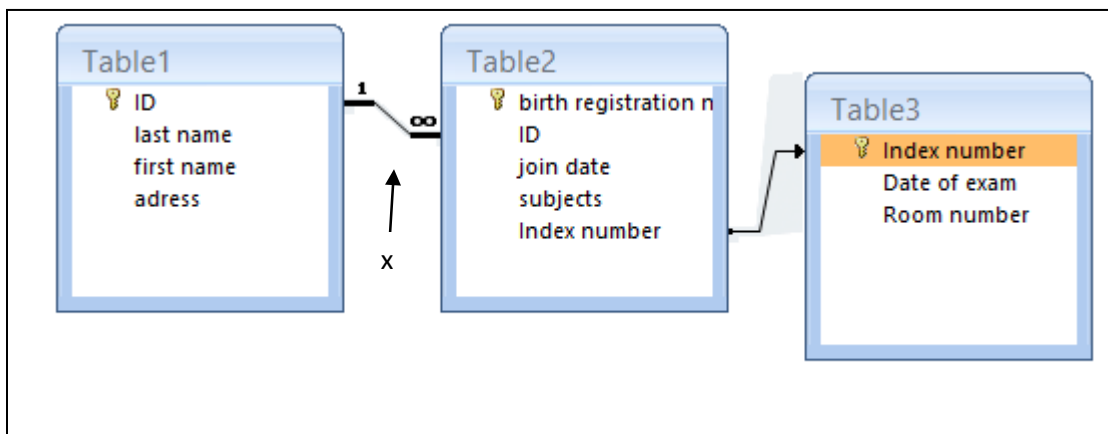   b. Identify and describe the other alternative to Systems analysis and Design.

QUESTION 3   DATABASES

i.   Use the given image to answer this question.

Employee id is a special type of field. Identify and describe this type of field.

ii.   Differentiate between batch and real-time processing.

iii.   Explain the following terms related to databases.
       a. Data definition sub-system
       b. Data maintenance

iv.   Using an example, explain index sequential file database organization.

v.   Explain the relationship between a company database and a distributed database. You can use only an example to write the explanation.

vi.   Use the following image to answer the questions that follow.

       a. The marking labeled x denotes the _____ between Table1 and Table2.

       b.   Why are all three tables linked as such?