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**Sant Lal Institute of Management and Information
Technology
Internal Assignment BCA 3rd**

Data Structure through C

Q 1. What is data structure and what are the uses of data structure in computer science?

Q 2. What is difference between Single and Double link list?

Q 3. What do you understand by algorithm?

Q 4. Write some words on sorting algorithm?

Q 5. Write brief notes on following

1. Stack
2. Circular Link List
3. Pointer
4. Tree
5. Graph

Data Communication and Network

1. What is Data Communication & What is Network? Define Communication Protocols and Transmission modes.
2. What is Aloha Protocol? Define FDM, TDM, and CDMA in detail.
3. What is Leaky bucket? Define in brief.
4. Define Error Detection and Error correction in Network. Define methods of error correction and detection?
5. Write short note on following
 - a. UDP
 - b. IEEE 802.5
 - c. DNS
 - d. Fiber optic
 - e. Switching

Principles of Accounting

Q1. What is accounting? Define the advantages and limitation of accounting.

Q2. What are the Accounting Concepts? Define in brief.

Q3. What are accounting conventions? Explain in detail all types of accounting conventions.

Q4. What is Journal and Ledger? Maintain journal and ledger for following

- a. Business started with Rs. 5,00,000
- b. Building sold rs. 50,000
- c. Furniture purchased rs. 10,000.
- d. salary paid rs. 5,000.
- e. Stationary purchased rs 10,000.
- f. Electric bill paid rs. 500.
- g. Goods purchased rs. 25,000.
- h. Goods purchased from Mohan rs. 10,000.
- i. Goods sold rs. 2000.
- j. Goods sold to Sohan rs. 25,000.

Q5. What is Trial Balance? Define the Objectives of Preparing Trial Balance. Explain the type of Errors which can be recovered from Trial Balance.

RDBMS ASSIGNMENT

Q1- What is Codd's Rule for RDBMS?

Q2- Write the short note on the given topic.

Foreign key

Primary key

Composite key

Q.3- Display the total no of employee working in each department (syntax with suitable example) ?

Q4- What is Oracle Function .Explain in details?

Q5- Create a table of employee with (emp_id, name, dept, design, basic, DOB) the help of these columns name.

Environmental studies.

Q.1.- Describe the changes in forest cover in India?

Q.2- Write the short notes-

- Mid day meal scheme.
- Annapurna Scheme.
- ethical value
- Bio energy.

Q.3- Discuss the importance of natural resource?

Q.4-Explain the deforestation and discuss the causes and effect of deforestation?

Q.5-How is wind energy used for generation of electric power?