

ILVA College  
B.Sc. I sem  
Assignment  
Computer Organization

Q.1. Explain the components of digital computer.

Q.2. Explain logic gates with their diagram & truth table.

Q.3. Explain the working of hard disk with labelled diagram.

Q.4. Explain in detail –

1) Registers

2) Program counter

3) Accumulator

4) Flag

5) Stack pointer

Q.5. What is output device. Explain printer.

ILVA College  
B.Sc. II sem  
Assignment  
Programming & Problem through C

- Q.1. Define algorithm. Write difference between algorithm & flowchart.
- Q.2. Explain structure of simple if statement & nested if statement with example.
- Q.3. What is function ? Write difference between call by value & call by reference.
- Q.4. Explain different types of storage class used in C language.
- Q.5. Explain structure with example ? Write difference between structure & union.

ILVA College  
B.Sc. III sem  
Assignment  
Data structure using C

- Q.1. What is data structure. Explain classification of data structure with example.
- Q.2. What is stack? Write an algorithm for push(), pop() and traverse() function in stack.
- Q.3. What is link list? Explain different types of link list with example.
- Q.4. What is searching? Explain difference between searching & sorting.
- Q.5. What is tree? Explain different operation in tree ? Explain traversing in tree.

ILVA College  
B.Sc. IV sem  
Assignment  
Database management system

Q.1. What is data, database & DBMS with example. Explain advantages of DBMS over traditional file system.

Q.2. What is Entity, entity set, types of entity, attributes & types of attributes with example.

Q.3. What is Normalization? Explain 1NF, 2NF, and 3NF?

Q.4. What is SQL? Explain different languages used in SQL.

Q.5. What is transaction? Write ACID properties of transaction.

ILVA College  
B.Sc. V sem  
Assignment  
Object oriented programming using c++

- Q.1. Explain the concept of object, class, data abstraction and inheritance with example.
- Q.2. Explain various datatypes used in c++? Also explain basic structure of c++?
- Q.3. What is friend function? Explain friend function with example.
- Q.4. What is virtual function? Explain virtual function with example.
- Q.5. What is inheritance? Explain different types of inheritance with example.

ILVA College  
B.Sc. VI sem  
Assignment  
Computer Network

Q.1. What is topologies. Explain different topology used in LAN, MAN & WAN.

Q.2. What is switching techniques? Explain Packet switching.

Q.3.Explain Token ring & Ethernet.

Q.4. Explain in detail –

1) Web Browser

2) Proxy server

3) Digital signature

Q.5. Explain DIV & SPAN tag in HTML with exam[ple.