

**Assignment**  
**Subject: Fundamental of I.T (B.Sc.IT)**  
**Semester -1<sup>st</sup> : Paper – 1<sup>st</sup>**

**Full Marks: 30**

1. What do you mean by Computer System? Write and explain input and output devices of Computer System.
2. Discuss and explain about MS-Office software. Also discuss about different applications of tools related to Office Automation.

**Assignment**  
**Subject: Mathematics of I.T (B.Sc.IT)**  
**Semester -1<sup>st</sup> : Paper – 2<sup>nd</sup>**

**Full Marks: 30**

1. Define set. Also explain union, intersection and complement of sets with example.
2. Find  $\frac{dy}{dx}$  when  $x=a \cos^3 t$ ,  $y= a \sin^3 t$ .

**Assignment**  
**Subject: Logic Design (B.Sc.IT)**  
**Semester -1<sup>st</sup> : Paper – 3<sup>rd</sup>**

**Full Marks: 30**

1. What is logic gate? Write and explain different logic gates with example.
2. What is interrupts? How many types of interrupts? Explain.

**Assignment**  
**Subject: Data Structure Using C (B.Sc.IT)**  
**Semester -1<sup>st</sup> : Paper – 4<sup>th</sup>**

**Full Marks: 30**

1. What is conditional structure? Discuss different types of conditional structure.
2. What is Linked List? Discuss and explain singly, doubly and circular linked list.

**Assignment**  
**Subject: DBMS (B.Sc.IT)**  
**Semester -1<sup>st</sup> : Paper – 5<sup>th</sup>**

**Full Marks: 30**

1. Defined and explain DBMS. Also explain Codd rules for DBMS.
2. What do you meant by DDL, DML, and DCL command of SQL?