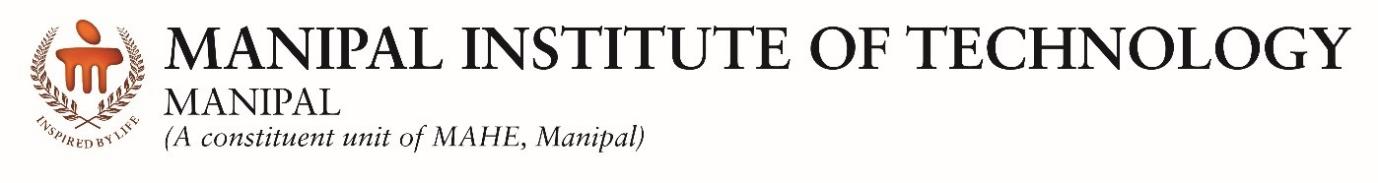
****

**Dept. of Information and Communication Technology**

**Web Technologies- ICT 3131( FISAC 1)**

**Date: 07-10-2024 Time: Max Marks: 10**

Develop a small-scale **e-commerce inventory system** using PHP and MySQL. Implement the following:

1. Create a ecommrce database with following tableconsiderig primary, foreign key and unique constraints:
   * Products(product\_id, product\_name, price, stock\_quantity)
   * Categories(category\_id , category\_name (Unique))
   * Orders(order\_id, product\_id, order\_quantity, order\_date)
2. Write a PHP script that:
   * Connects to the database and **inserts sample data** into each table.
   * Handles **inventory management** by automatically **decreasing the stock\_quantity** in products when a new order is placed.
   * If a customer tries to order more quantity than what is available, the script should **throw a custom error** and display an appropriate message.
3. Implement a **trigger** on the orders table to **automatically log every new order** into order\_logs(log\_id, order\_id, order\_quantity, timestamp) table
4. Create a **stored procedure** that accepts a product\_id and returns:
   * The product’s name, its category, and the **total number of orders** placed for that product.
5. **Delete the entire categories table** and then write a query to check **how this deletion impacted the products table**, ensuring **referential integrity**.

Write a single PHP script to implement the above, and include detailed comments to explain the rationale behind each step.