**Course Name :** PG Diploma in Advanced Computing

**Batch :** Sept 2021

**Module Name :**  Microsoft .NET **Date : 25-Jan-2022**

**Student Name :**

**PRN No :**

**Max Marks :** 40 Marks

**Duration :** 120 Mints

**Paper-3**

**Q.1.**Create ASP .Net application for product catalog system. Administrator should be able to add new product as well as remove products which are out of stock. Anonymous users would be able to view and select products and add in shopping cart . **(30 Marks)**

Products information should include :

* Product ID
* Product name
* Product description
* Product price

Any(anonymous) user should be able to view information about products available in Product catalog.

Whenever anonymous user would like to order product, they would be asked to sign in and they would be able to see products they added to shopping cart. (30 marks)

Product Inventory can be updated by a special role “**Administrator**” with user id [“**admin@admin.com**](mailto:admin@admin.com)” and password. **Administrator** should have full permissions to add/ **edit** / **delete product details .**

**Implement Form based Authentication for providing Secure access to Administrator.**

**Implement Web based product information system Model View Controller with form-based authentication. Build solution using n-Tier architecture.**

Prepare necessary database tables, POCO classes, Data Access Logic Layer and apply validations wherever required