**Visual Programming (692) - Theory**

**BS (CS)-7th**

**Student Reg #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Marks:** 20 **Times: 105 Minutes**

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**Q No. 1 Design** an ASP.Net page, **named ValidationYourRegNo.aspx**, with the help of TextBox for name, email id, password, Re-type password, Age, Buttons etc. Your application should take care of each of the following conditions

1. Name is mandatory filed
2. User must enter correct email id
3. Password and Re-Type password must be matched.
4. Student Mid Marks must be non-negative and must not be greater than 12.
5. Show all the failed validation using **ValidationSummary Controls**

**Question# 2 Consider** database, eAgriculture, **and a table** tbl\_Crops (**CropID**, CropName, CropRegion, Duration). Finally, using ASP.Net and C# as backend language write code to add a new record to table. **Must** apply exception handling and data validation techniques.

**Question# 3 Create** a Web Service named “**PKRToDollar**”. Add Web Method to the service, which will take amount in PKR (Using TextBox) and returns the amount in Dollar. While inputting the data, it is mandatory that Textbox have value in PKR greater than 0 and should not be empty.

**Question# 4 Discuss** the following concepts giving programming example. **[Marks:05]**

1. ASP.Net **And** PHP
2. XML **And** HTML
3. Role of Master Page in ASP.Net Web Applications
4. <TABLE> Vs <DIV>
5. Response Vs Request

**Visual Programming (692) - Practical**

**BS (CS)-7th**

**Student Reg #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Marks:** 20 **Times: 60 Minutes**

**Question N0. 1** **You** have been assigned a Semester Project in Visual Programming Course. Discuss your Project Title, the Tasks you have assigned, worked and completed in the Project as your part. Also, discuss the database tables you have designed for your semester project. [**Marks: 06]**

**Question N0. 2-(a) Write ASP.Net with C#** code to show how the dropdown list is filled, using the Database details given in Question No. 2 (Theory Part) [**Marks: 06+08]**

**(b)** Suppose there is an XML file named” Mobiles”, with following attributes MobileID, MobileCompanyName, MobileModel, MobilePrice, IsPTAApproaved. Sample Data is shown, using this Data **Create an XML File**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **MobileID** | **MobileCompanyName** | **MobileModel** | **MobilePrice** | **IsPTAApproaved** |
| 5001 | Apple | 7 Plus | 50000 | No |
| 5002 | Samsung | J7 | 40000 | Yes |
| 5003 | Vivo | V21 | 25000 | Yes |

**Finally**, you are required to write ASP.Net and C# code to show all those Mobile which are PTA Approved and having price less than 30000.