



**[Total Marks : 140]**

(1)

नीचे दृष्टावेळी  निशानिवाणी विगतो उत्तरवही पर अवश्य द्यावी.  
**Fillup strictly the details of  signs on your answer book.**  
 Name of the Examination :  

**Second Year B. C. A. (Sem. IV)**

 Name of the Subject :  

**Paper-406 : Practical**

 Subject Code No. : 

2 0 1 1 0 0 0 1 0 4 0 6 0 0 0 1 - B

Seat No. :

Student's Signature

- 1** Create a VB.Net MDI Application that has following functionalities for a Grocery Store. **40**
  - (1) Insert Grocery Items in GroceryMaster table (Item No, Name, MRP, Sell Price, Quantity)
  - (2) Display data in DataGridView and ability to Search for Specific Item Name.
  - (3) Update, Delete operations for Updating Stock Quantity.
  - (4) Listing of Out of Stock Grocery Items in New Form.
- 2** (A) Write a Java Program that accepts string data. **20**

Extract either All Vowels or All Non-Vowels from given Data According to Options Selection. Also Provide an Option to Display Output in Uppercase or Lowercase.

(B) Write an applet that simulates a Rotating wheel. **20**

User can start and stop rotation by clicking Start and Stop Button.

- 3**     Design a website for Online Shopping containing **40**  
multiple webpages. User should be able to Search Products  
by Category or ProductName using AJAX. On selection of  
Product, it should be displayed in new page with all Details.  
Design Registration page of Customer with appropriate  
validations. Implementation of XML,JSON and jQuery is  
preferable.

**OR**

- Create a Mobile Application for Sports Event. User can **40**  
Register him/her in particular  
Sports by Selecting from the List, filling his/her details like  
RollNo, Year, ClassIDiv, Name, Mobile Number. On  
Successful Registration show all Registered Users in that  
Sports Event.
- 4**     Viva and Journal. **20**
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