COMPUTER GRAPHICS (DCA-105)
(Based on Adobe Photoshop 7)

OUTLINE OF COURSE:

1. Working with Photoshop Environment
2. Working with Images
3. Working with Layers
4. Masking Layers
5. Working with Adjustment Layers and Fill Layers
6. Working with Layer Styles
7. Creating Work Path Using Pen Tool
8. Modifying Images
9. Making Quick Adjustment to An Image
10. Using Channels
11. Working with Masks
12. Filter Basics and Its Types

DETAILED SYLLABUS:

1. WORKING WITH PHOTOSHOP ENVIRONMENT: (4 - Marks)

Components of Photoshop Window, Using the Toolbox
Using Palettes, Opening and Saving Files.

2. WORKING WITH IMAGES: (4 - Marks)

Setting Image Size and Mode
Copying and Pasting Images
Cloning Images
Types of Images.

3. WORKING WITH LAYERS: (4 - Marks)

Creating Layers
Renaming Layers
Duplicate Layers
Deleting Layers
Locking Layers
Hiding Layers
Grouping Layers

4. MASKING LAYERS: (4 - Marks)

Creating and Editing Layer Masks
Applying and Discarding Layer Masks.

5. WORKING WITH ADJUSTMENT LAYERS AND FILL LAYERS: (3 - Marks)

Creating Adjustment Layers and Fill Layers
Editing Adjustment Layer or Fill Layer
Merging Adjustment Layer or Fill Layer.

6. WORKING WITH LAYER STYLES: (3 - Marks)
Adding Preset Styles, Applying Custom Styles.

7. CREATING WORK PATH USING PEN TOOL: (3 - Marks)
Straight Paths, Curves Paths, Converting Paths.

8. MODIFYING IMAGES: (3 - Marks)
Adjusting Levels, Balancing Colors.

9. MAKING QUICK ADJUSTMENT TO AN IMAGE: (3 - Marks)
Adjusting Brightness and Contrast
Adjusting Hue and Saturation
Using Variations

10. USING CHANNELS: (3 - Marks)
Working with Channels Palette
Managing Channels
Deleting Channels
Mixing Color Channels
Working with Spot Channels

11. WORKING WITH MASKS: (3 - Marks)
Creating Masks in Quick Mask Mode
Storing Masks in Alpha Channels.

12. FILTER BASICS AND ITS TYPES: (3 - Marks)
Constructive Filters
Destructive Filters
Effects Filters
Render Filter
Liquify Filter

PRACTICALS: (40 - Marks)
(Software : Adobe Photoshop 7.0)
1. Photo Re-Touching & Editing
2. Letter Head Design
3. Business Card Design
4. Sign Board Design
5. Certificate Design
6. Magazine Cover Design
7. Newspaper Advertisement Design

TEXT BOOKS:

1. BPB MULTIMEDIA AND WEB DESIGN COURSE – BPB Editorial Board – First Indian Edition 2005, BPB Publications.
2. AN INTRODUCTION TO ADOBE PHOTOSHOP – STEVE BARK, FIRST EDITION 2012, BOOKBOON.COM.

SUGGESTED FURTHER READINGS:

1. SAMS Teach Yourself Adobe Photoshop 7 in 24 Hours – Carla Rose, First Indian Edition 2002, Techmedia.
2. Adobe Photoshop for Intermediate Users – Steve Bark, 2012 Edition, Bookboon.com
3. Rapidex DTP Course – Shirish Chavan, Revised and Enlarged Edition 2005. 3rd Reprint Edition 2008. Unicorn Books.
4. ADOBE PHOTOSHOP CS3 - Satish Jain & M. Geetha Iyer – First Edition 2009, BPB Publications.
5. Fundamentals of Computer Graphics and Multimedia – D.P. Mukherjee, Thirteenth Printing 2010, PHI Learning.