Teaching and Examination scheme for

B.A. Part-III Vocational Computer Application

Examination 2017

Paper Name(Theory)		Lect_ures	Tuto_rial	Exam Hours	Max Marks
Paper I	DTP	3	1	3	65
Paper II	Web Development : PHP & MYSQL	3	1	3	65
				Total of Theory	**130**
		Paper Name (Practical)			
Practical				3	70
		Total of Practical			**70**
		Grand Total(Theory + Practical)			**200**

Note:
1. Ten questions will be set in all papers taking two questions from each unit. Students will have to attempt one question from each unit.
2. At least 3 classes of theory, 3 classes for practical should be assigned to the students per week for each paper.
3. Each practical exam is to be conducted by two examiners one External and one Internal Examiner. External examiner should be senior lecturer from jurisdiction of MGS University. External Examiner will prepare question paper of Practical Examination. Students have to perform exercise on computer. Exercise must be written in answer books in proper documentation. Marks distribution for Practical of 70 marks is as under
   a) Four Exercise of 10 marks each   40 Marks
      (Logic 04, Execution 03, Documentation 03)
   b) Viva-Voce   20 Marks
   c) Laboratory Exercise File   10 marks

Examination 2017
Paper I
DTP

DTP: Importance of D.T.P in Publication, Introduction to PageMaker, Different page format/ Layouts, Tool Box, Styles, Menus, Import and Export Facility, Alignment, Formatting, Filling in Page Maker.

Unit II
Photoshop Environment: Photoshop Interface, Photoshop toolbox and option bar, Graphics basic: Bitmap v/s Vector Based, image resolution, graphic file format; color mode; Photoshop tool: Parts of toolbox, Magic wand, lassos , move tool, crop tool, pencil , eraser tools, brushes, gradient, Pen tool: Photoshop layers: Naming, creating, deleting, viewing, moving, locking, merging layers, blending options.

Unit III
Multimedia: Components of multimedia, Applications, Transition from conventional media to digital media. Usage of text in Multimedia, Digitization of sound, Sound synthesis, MIDI, Compression and transmission of audio on Internet, Image Compression and File Formats like GIF, JPEG, PNG, PDF; Basic Image Processing, Use of image editing software, Video Basics, How Video Works, Overview of Video Compression and File Formats, Video compression based on motion compensation.

Unit IV

Introduction of CorelDraw , The CorelDraw Menus, The Draw Toolbox: Using the Drawing Tools, Using the Zoom Tool, Using the Text Tool, Using Pick Tool, Using node editing (Shape) Tool, Using Fill tool, Arranging Objects:, Layering,Combining and Grouping Objects, Stacking Order, Aligning Objects , Type Casting: Typeface or Font,Types of Typeface, Using and manipulate type in CorelDraw, Using Fonts in your Drawing.

UNIT V
Colour & Fills: Colour Scheme, Colour Models,Using Colour in your document,Using Colour in presentations,Using Fills , Texture and patterns Special Effects, Using Envelops, Using extrude, Using blend, Using Lenses, Using perspective, Rotating and skewing objects with transform Roll-up, Stretching and mirroring , Printing Your Document, Save & Close & open file, Export file

Reference Books:

1. Learning Page Maker (BPB)
2. Multimedia making it work By Tay Vaughan, Tata McGraw-Hill.
3. Rajneesh Aggarwal & B. B Tiwari, " Multimedia Systems", Excel Publication, New Delhi

Examination 2017
Paper II
Web Development & PHP MYSQL

Unit I
INTRODUCTION TO PHP. : History of PHP, Apache Web Server, MySQL and Open Source Relationship between Apache, MySQL and PHP (AMP Module) PHP configuration in IIS
 Apache Web server

Unit II

BASICS OF PHP.: PHP structure and syntax,Creating the PHP pages ,Rules of PHP syntax , Integrating HTML with PHP , Constants, Variables : static and global variable , Conditional Structure & Looping , PHP Operators , Arrays, foreach constructs , User defined function, argument function, Variable function, Return Function, default argument, variable length argument

Unit III
INTRODUCTION TO MYSQL : MySQL structure and syntax , Types of MySQL tables and storages engines , MySQL commands , Integration of PHP with MySQL , Connection to the MySQL server , Working with PHP and arrays of data , Referencing two tables , Joining two tables

UNIT IV
WORKING WITH DATA and PHP FUNCTION: FORM element, INPUT elements, Processing the form User Input , INPUT checkbox type ,one form, multiple processing , Radio INPUT element
 Multiple submit buttons , Basic input testing , Dynamic page title , Manipulating the string as an array ,Adding items , Validating the user input. Basic PHP Function like Variable Function, String Function, Math Function , Date Function, Array Function , File Function

Unit V
WORKING WITH DATABASE AND PHP FUNCTION: Creating a table, Manipulating the table ,Filling the table with data , Adding links to the table , Adding data to the table , Displaying the new information , Displaying the movie details , Editing the database , Inserting a record , Deleting a record , Editing data,

Reference Books:

(1) Beginning PHP, Apache, MySQL Web Development
 Elizabeth Naramore, Jason Gerner , Yann Le Scouarnec, Jeremy Stolz,
 Michael K. Glass, Gary Mailer - By Wrox Publication

(2) PHP, MySQL and Apache - Julie C. Melone By Pearson Education

(3) Beginning PHP 5.3
 by Matt Doyle - By Wrox Publication

(4) PHP and MySQL Bible – Tim Converse and Joyce Park with Clark Morgam
 By Wiley INDIA