

# MARIS STELLA COLLEGE, VIJAYAWADA-8

(An autonomous college affiliated to Krishna University)

## DEPARTMENT OF COMPUTER SCIENCE

**B.Com (Computer Applications)**

**Academic Year 2019 - 2020**

**Title : PHP and My SQL Semester : V**

**Paper Code: COMPC068**

**Course outcomes for PHP:** On completing the course, students will be able to:

CO1. Understand process of executing a PHP-based script on a web server.

CO2. Be able to develop a form containing several fields and be able to process the data provided on the form by a user in a PHP-based script.

CO3. Understand basic PHP syntax for variable use and standard language constructs, such as conditionals and loops.

CO4. Understand the syntax and use of PHP object-oriented classes.

CO5. Understand the syntax and functions available to deal with file processing for files on the server as well as processing web URLs.

CO6. Develop, test and deploy a term project web-based system.

## SYLLABUS

**Unit-I: 6 Hrs**

**Building blocks of PHP:** Variables, Data Types, Operators and Expressions, Constants.

**Flow Control Functions in PHP:** Switching Flow, Loops, Code Blocks and Browser Output.

**Working with Functions:** Defining Functions, Calling functions, returning the values from User- Defined Functions, Variable Scope, Saving State between Function calls with the Static statement, more about arguments.

**Unit-II: 6 Hrs**

**Working with Arrays:** Arrays, Creating Arrays, Some Array-Related Functions.

**Working with Objects:** Creating Objects, Object Instance. **Working with Strings, Dates and Time:** Formatting Strings with PHP, Investigating Strings with PHP, Manipulating Strings with PHP, Using Date and Time Functions in PHP.

**Unit-III:**

**8 Hrs**

**Working with Forms:** Creating Forms, Accessing Form - Input with User defined Arrays, Combining HTML and PHP code on a single Page, Using Hidden Fields to save state, Redirecting the user, Sending Mail on Form Submission, Working with File Uploads. **Working with Cookies and User Sessions:** Introducing Cookies, Setting a Cookie with PHP, Session Function Overview, Starting a Session, Working with session variables, passing session IDs in the Query String, Destroying Sessions and Unsetting Variables, Using Sessions in an Environment with Registered Users.

**Unit-IV:**

**8 Hrs**

**Working with Files and Directories:** Including Files with include(), Validating Files, Creating and Deleting Files, Opening a File for Writing, Reading or Appending, Reading from Files, Writing or Appending to a File, Working with Directories, Open Pipes to and from Process Using popen (), Running Commands with exec(), Running Commands with system ( ) or passthru ( ).

**Unit- V:**

**8 Hrs**

**Working with Images:** Understanding the Image-Creation Process, Necessary Modifications to PHP, Drawing a New Image, Getting Fancy with Pie Charts, Modifying Existing Images, Image Creation from User Input.

**Reference Books:**

1. Julie C. Meloni, PHP MySQL and Apache, SAMS Teach Yourself, Pearson Education
2. Xue Bai Michael Ekedahl, The Web Warrior Guide to Web Programming, Thomson (2006).

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**BLUE PRINT OF MODEL PAPER**

- ❖ The paper consists of three sections.
- ❖ All questions are compulsory from all parts.

**SECTION – A**

- ❖ Consists of **SIX** very short answer type questions from five units, out of which **FOUR** are to be answered.
- ❖ Each question carries **3 Marks**.

**SECTION – B**

- ❖ Consists of **THREE** short answer type questions from five units, out of which **TWO** are to be answered.
- ❖ Each question carries **6 Marks**.

**SECTION – C**

- ❖ Consists of **FIVE** essay answer type questions from five units, out of which **THREE** are to be answered.
- ❖ Each question carries **12 Marks**.

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**Department of Computer Science**

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**Model Question Paper**

**Title : PHP and My SQL**

**Paper Code: COMPC068**

**Max. Marks: 60**

**Semester : V**

**Time: 3 Hrs**

**Section – A**

**Answer any FOUR of the following**

**4\*3=12M**

1. List out the data types available in PHP.
2. What is an Array? Write its example.
3. What is a Cookie?
4. Write a short note on file.
5. List out various operators in PHP.
6. Write a short note on directory.

**Section – B**

**Answer any TWO of the following:**

**5\*10=50M**

7. Explain in detail about loops in PHP.
8. Explain in detail about objects.
9. Write about user sessions.

**Section – C**

**Answer any THREE of the following:**

**3\*12=36M**

- 10.** Explain in detail about functions in PHP.
- 11.** Explain in detail about Date and time functions in PHP.
- 12.** What is a form? Explain in detail about forms in PHP.
13. Explain in detail about files and directories in PHP.
14. Explain in detail about images in PHP.