

Paper Code: BCADSE 5.5	Paper title: Elective-II: a. PHP	Teaching Hours – 5 hrs/week
Total Teaching Hours: 60 Hrs.	Marks: Th-80+IA-20	Credits: 4

UNIT I

Introducing PHP –Basic development Concepts –Creating first PHP Scripts –Using Variable and Operators –Storing Data in variable –Understanding Data types –Setting and Checking variables–Data types –Using Constants –Manipulating Variables with Operators. **12 Hrs**

UNIT II

Controlling Program Flow: Writing Simple Conditional Statements -Writing More Complex Conditional Statements – Repeating Action with Loops –Working with String and Numeric Functions. **12 Hrs**

UNIT III

Working with Arrays: Storing Data in Arrays –Processing Arrays with Loops and Iterations –Using Arrays with Forms - Working with Array Functions –Working with Dates and Times. **12 Hrs**

UNIT IV

Using Functions and Classes: Creating User-Defined Functions -Creating Classes –Using Advanced OOP Concepts. Working with Files and Directories: Reading Files-Writing Files-Processing Directories. **12 Hrs**

UNIT V

Working with Database and SQL : Introducing Database and SQL-Using MySQL-Adding and modifying Data-Handling Errors –Using SQLite Extension and PDO Extension. Introduction XML- Simple XML and DOM Extension. **12 Hrs**

REFERENCE BOOKS:

1. PHP A Beginner's Guide, VIKRAM VASWANI,Tata McGraw-Hill, 2008.
2. The PHP Complete Reference, Steven Holzner –Tata McGraw-HillEdition,2010
3. Spring into PHP5, Steven Holzer, Tata McCraw HillEdition,2005