Paper Code: HCSSE4021P	Paper Name: PHP Programming	Marks: 50
SL.No.	Topic	No. of Periods
1	**Introduction to PHP :** PHP introduction, inventions and versions, important tools and software requirements (like Web Server, Database, and Editors). PHP with other technologies, scope of PHP ¬ Basic Syntax, PHP variables and constants. Types of data in PHP, Expressions, scopes of a variable (local, global)	1
2	**PHP Operators**: Arithmetic, Assignment, Relational, Logical operators, Bitwise, ternary and MOD operator. PHP operator Precedence and associatively	1
3	**Handling HTML form with PHP HTML:** Capturing Form Data, GET and POST form methods, Dealing with multi value fields. Redirecting a form after submission PHP conditional events and Loops, PHP IF Else conditional statements (Nested IF and Else), Switch case, while ,For and Do While Loop Break ,Continue and exit PHP Functions	2
4	**PHP Functions:** Function, Need of Function , declaration and calling of a function PHP Function with arguments, Default Arguments in Function Function argument with call by value, call by reference Scope of Function Global and Local	2
5	**String Manipulation and Regular Expression:** Creating and accessing String , Searching & Replacing String Formatting, joining and splitting String, String Related Library functions. Use of different string functions like strlen(), strrev(), strpos() etc. Use and advantage of regular expression over inbuilt function	3
6	**Arrays:** Anatomy of an Array, Creating index based and Associative array, Accessing array. Looping with Index based array, with associative array using each () and foreach(), Sorting Arrays. Some useful Library function	2
7	**Advanced Topics:** PHP Date and Time, File Handling(Open/Read/Create/Write) PHP Form Handling, Validation	2
	Total	13
Books and References: 1. Beginning PHP5, Merser, Kent et al, Wrox Publications 2. SAMS Teach Yourself PHP in 24 Hours, Matt Zandsta,Techmedia 3. Head First PHP & MySQL, Lynn Beighley and Michael Morrison,OReilly Publications 4. PHP: The Complete Reference, Steven Holzner, McGraw Hill Education		