54	Module03	STCWPSI 301	**1. Introduction to PHP** Features of PHP4 and PHP5 • General Language Features
55	Module03	STCWPSI 301	**2. Installing and Configuring Apache and PHP** Apply Skills Installing and Configuring PHP with Apache Server on Windows
56	Module03	STCWPSI 301	**3. PHP Basics** Escaping to PHP and Comments • Functions for PHP's Output
57	Module03	STCWPSI 301	**4. PHP Basics** Data types, Identifiers and Variables, Constants and Expressions
58	Module03	STCWPSI 301	**5.PHP Basics** String Interpolation and Control Structures
59	Module03	STCWPSI 302	**6. Apply skills on Functions and Arrays** nvoking and Creating Functions • Function Libraries
60	Module03	STCWPSI 302	**Apply skills on Functions and Arrays** Working with Arrays by Maximum Implementations
0			Preparatory leave
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61	Module03	STCWPSI 302	**8. Apply skills on Object-Oriented PHP** The Benefits of OOP and Key OOP Concepts • Type Hinting ,Constructors and Destructors • Static Class Members and the instanceof Keyword • Helper Functions and Autoloading Objects
62	Module03	STCWPSI 302	**9.Demonstrate the Knowledge on Advance OOP Features** Advanced OOP Features Not Supported by PHP • Object Cloning, Inheritance and Interfaces • Abstract Class and Reflection
63	Module03	STCWPSI 302	**10.Apply skills on Error and Exception Handling** Configuration Directives and Error Logging • Exception Handling
64	Module03	STCWPSI 303	**11.Apply skills on Error and Exception Handling** Configuration Directives and Error Logging • Exception Handling
65	Module03	STCWPSI 303	**12. Apply skills on Strings and Regular Expressions** Discuss about the Advantages of PEAR: Validate_US

66	Module03	STCWPSI 303	**13. Working with the File and Operating System**
			earning About Files and Directories • File Ownership and Permissions
67	Module03	STCWPSI 303	**14. Working with the File and Operating System**
			File Ownership and Permissions • File Input Output
68	Module03	STCWPSI 303	**5.Apply skills working on Date and Time in windows**
			Working with Date and Time in Windows Review class for external examination
69	Module03	STCWPSI 304	**16. Authentication**
			HTTP Authentication Concepts • PHP Authentication • User Login Administratio
70	Module03	STCWPSI 304	**17.Handling File Uploads**
			Uploading Files via the HTTP Protocol • Handling Uploads with PHP .
71	Module03	STCWPSI 304	**18.Networking**
			DNS, Service s and Servers
72	Module03	STCWPSI 304	**19.Networking**
			Using Mail • Familiarizing IMAP, POP3 and NNTP
73	Module03	STCWPSI 305	**20. Working with Session Handlers**
			What is Session Handling • Configuration Directories • Key Concepts • Practical Session-Handling Examples
74	Module03	STCWPSI 305	**21. Working with Session Handlers , Web Services**
			Creating Custom Session Handlers • Why Web Services
75	Module03	STCWPSI 305	**22.Web Services**
			Real Simple Syndication • SimpleXML and SOAP
76	Module03	STCWPSI 305	**23. Securing PHP Programming**
			Configuring PHP Security • Hiding Configuration Details • Hiding Sensitive Data
77	Module03	STCWPSI 305	**24.Securing PHP Programming**
			anitizing User Data • Data Encryption
78	Module03	STCWPSI 306	**25.Demonstrate the Knowledge on SQLite**
			Introduction to SQLite • PHP's SQLite Library

79	Module03	STCWPSI 306	**26. Introducing MySQL**
			26. Introducing MySQL What Makes MySQL So Popular • MySQL 4 and MySQL 5 • Prominent MySQL
80	Module03	STCWPSI 306	**27. Installing and Configuring MySQL** Installing MySQL on Windows • Set the MySQL Administrator Password • Starting and Stopping MySQL Service • Configuring and Optimizing MySQL
81	Module03	STCWPSI 306	**28. MySQL Clients Standard Client, Connection and General Options • Using mysql Client** Standard Client, Connection and General Options • Using mysql Client
0			Monthly Exam.
82	Module03	STCWPSI 306	**29. MySQL Clients** mysqladmin and Other Utilities • Third-Party Client Programs
83	Module03	STCWPSI 307	**30. MySQL Storage Engines and Datatypes** ntroducing Storage Engines • Data Types and Attributes
84	Module03	STCWPSI 307	**31.MySQL Storage Engines and Datatypes Working with Databases and Tablesn** Working with Databases and Tablesn
85	Module03	STCWPSI 307	**32.Securing MySQL** **32.Securing MySQL**
86	Module03	STCWPSI 307	**33.Securing MySQL** **33.Securing MySQL**
87	Module03	STCWPSI 307	**34. mysqli Extension** Prerequisites for MySQLi Extension • PHP's MySQL Commands and Choosing a Database • Querying MySQL, Retrieving and Displaying Data • Inserting , Modifying and Deleting Data.

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WRITTEN ASSESSMENT GUIDE:
At this point of the Competency Unit, an MCQ-based written assessment must be conducted after (morning batch) or before (afternoon batch) the class session comprising of 20 questions in order to confirm trainees' understanding on the topics up to this point after previous assessed topics.

Do not forget to email the score sheet & question script along with the correct answer marked in bold character to the concerned consultant.

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35.mysqli Extension

Rows Selected and Rows Affected Prepared statements • Retrieving Database and Table Information • Retrieving Field Information and Helper Functions

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36. Stored Routines

Should you Use Stored Routines • How MySQL Implements Stored Routines • Integrating Routines into Web

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37. MySQL Triggers

37. MySQL Triggers

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38. Apply Skills on Views

ntroducing Views • MySQL's View Support • Incorporating Views into Web Applications

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39. Practical Database Queries & Indexes and Searching

Sample Data • Creating Tabular Output with PEAR • Sorting Output • Creating Paged Output and Listing Page Numbers • Subqueries and Cursors • Database Indexing • Form-Based Searches

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40.Apply Skills on Transactions ,Importing and Exporting Data

What's a Transaction? • MySQL' Transactional Capabilities • A Sample Project • Building Transactional Applications with PHP Demonstrate the Knowledge on Exporting and Importing Data .

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