

**PGDCA23**  
**PHP with MYSQL (8 weeks)**

<b>Contents</b>		<b>Lecture No.</b>
<b>Linux</b>	➤ <b>Introduction to Linux</b> Operating System Concepts, Advantages of Linux over Windows, System Architecture, Kernel Structure	(1)
<b>File System</b>	➤ Introduction to virtual file system, structure of Linux file system, Inodes.	(2)
<b>Basic Commands</b>	➤ Linux directory and file commands like ls, cat, tac, cp, rev, mkdir, cd, chmod, rm, man, I/O Redirection etc	(3)
<b>Vi Editor</b>	➤ Creating, editing file and its mode	(4)
<b>Shell Script</b>	➤ Scripting with Loops, if else, Command Substitution	(5,6)
<b>MySQL</b>	➤ Connectivity to MySql Server	(7)
<b>Introduction</b>	➤ Database Concepts, Normalization, Data types.	(8)
<b>Databases and tables</b>	➤ Creation and Alteration	(9)
<b>Structured Query Language (SQL)</b>	➤ Data Definition Language, Data manipulation Language- Insert, Update, Delete, Select statement	(10,11)
SQL Administration		(12)
<b>PHP Introduction</b>	➤ Operators, If –else, Switch -Case, Loops	(13)
<b>Arrays, Functions</b>	➤ Single Dimensional, Multi-dimensional, Array Functions, User Defined Functions	(14)
Concepts of Classes		(15)
<b>Getting PHP to Talk to MySQL</b>	➤ Creating Connections	(16)
<b>MySQL Connectivity with PHP</b>	➤ Retrieval of Data from SQL Database, Updation	(17)
<b>XML</b>		(18-20)
<b>Email Handling</b>		(21)
<b>Working with Forms</b>	➤ Designing Forms With HTML Action POST , GET	(22-23)
<b>Web Automation</b>		(24)
<b>Security</b>	➤ Cookies, Session and Access Control	(25,26)
<b>Graphics</b>		(27)
<b>Internet Services</b>		(28)
<b>File Handling</b>		(29-31)
<b>Directory Handling</b>		(32)
<b>Client side PHP</b>		(33,34)
<b>Project Work</b>		(35-39)
<b>Review</b>		(40)

A test of 200 marks will be conducted from the module. Pass marks 80.