



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)
Dundigal, Hyderabad-500043

INFORMATION TECHNOLOGY

TUTORIAL QUESTION BANK

Course Title	PHP				
Course Code	ACS805				
Programme	B.Tech				
Semester	VII	IT			
Course Type	SKILL				
Regulation	IARE - R16				
Course Structure	Theory			Practical	
	Lectures	Tutorials	Credits	Laboratory	Credits
	-	-	-	-	-
Chief Coordinator	Mr. D Rahul, Assistant Professor				
Course Faculty	Mr .D Rahul, Assistant Professor				

COURSE OBJECTIVES:

The course should enable the students to:	
I	Acquaint with the fundamental concepts and programming environment of PHP.
II	Design classes and efficiently use PHP functions
III	Implement object oriented concepts like inheritance, reusability, and encapsulation
IV	Apply custom exceptions and employ concurrency.

COURSE OUTCOMES (COs):

CO 1	Understand the general concepts of PHP scripting language for the development of Internet websites
CO 2	Build Dynamic web site using server side PHP Programming and Database connectivity.
CO 3	Implement interactive web page (s) using HTML, CSS and JavaScript.
CO 4	Understand the general concepts aggregate function and MySql with PHP
CO 5	Understand the concept of File Handling function

COURSE LEARNING OUTCOMES (CLOs):

ACS805.01	Understand the PHP downloading, installation and configuring PHP process.
ACS805.02	Understand branching statements, loop statements and use them in problem solving.
ACS805.03	Identify the methods to read data from web pages using PHP.
ACS805.04	Understand how MYSQL server is connected with PHP
ACS805.05	Able to perform crude operations in data base servers, operations in PHP
ACS805.06	Understand the file handling methods using PHP.
ACS805.07	Familiar with basic HTML, XML, JSP and PHP techniques: Creation of web pages, that Includes verification and validation of web pages.
ACS805.08	Create applications by using the concepts like JSP and Servlet.
ACS805.09	Identify and perform requesting and response generation process in web servers.
ACS805.10	Understand the PHP downloading, installation and configuring PHP process.
ACS805.11	Understand branching statements, loop statements and use them in problem solving.
ACS805.12	Identify the methods to read data from web pages using PHP.
ACS805.13	Understand how MYSQL server is connected with PHP.
ACS805.14	Able to perform crude operations in data base servers, operations in PHP
ACS805.15	Possess the knowledge and skills for employability and to succeed in national and international level competitive examinations.

TUTORIAL QUESTION BANK

UNIT -I				
INTRODUCTION TO PHP				
Part – A (Short Answer Questions)				
1	What is PHP?	Remember	CO 1	ACS805.01
2	What is the difference between \$name and \$\$name?	Understand	CO 1	ACS805.02
3	What the differences are between get and post methods.	Remember	CO 1	ACS805.03
4	How can we create a database using PHP and MySQL?	Understand	CO 1	ACS805.01
5	Which programming language does PHP resemble to?	Remember	CO 1	ACS805.02
6	How can we get second of the current time using date	Understand	CO 1	ACS805.03
7	List out the predefined classes in PHP?	Remember	CO 1	ACS805.01
8	What type of inheritance that PHP supports?	Understand	CO 1	ACS805.02
9	Explain php data types with example?	Remember	CO 1	ACS805.03
10	What is an array? Create an array in php?	Understand	CO 1	ACS805.01
11	What's the special meaning of sleep and wakeup?	Remember	CO 1	ACS805.02
12	Give the syntax of grant commands?	Understand	CO 1	ACS805.03
13	Who is the father of php and explain the changes in php versions?	Remember	CO 1	ACS805.01
14	Who is the father of php and what is the current version of php and mysql?	Understand	CO 1	ACS805.02
15	What are encryption functions in php?	Remember	CO 1	ACS805.03
Part – B (Long Answer Questions)				
1	What are the different types of errors in PHP?	Remember	CO 1	ACS805.01
2	What is the functionality of the function strstr and strpos?	Remember	CO 1	ACS805.02
3	Explain about various data types in PHP.	Understand	CO 1	ACS805.03
4	Explain about Arrays in PHP.	Understand	CO 1	ACS805.01
5	List and Explain the string functions in PHP.	Remember	CO 1	ACS805.02
6	List the statements that are used to connect PHP with MySQL.	Remember	CO 1	ACS805.03
7	How PHP is different from PHP Script? Explain.	Understand	CO 1	ACS805.01
8	Explain PHP form processing with an example.	Understand	CO 1	ACS805.02
9	How to retrieve values from one database server and store them in other database server using PHP?	Remember	CO 1	ACS805.03
10	What are the differences between Get and post methods in form submitting. Give the case where we can use get and we can use post methods?	Remember	CO 1	ACS805.02
Part – C (Problem Solving and Critical Thinking)				
1	List and Explain PHP development framework.	Remember	CO 1	ACS805.02
2	How will you concatenate two strings in PHP?	Remember	CO 1	ACS805.03
3	How strings are declared in PHP?	Understand	CO 1	ACS805.01
4	How array is declared in PHP. Also explain various types of array with proper examples.	Understand	CO 1	ACS805.02
5	Build simple calculator using PHP.	Remember	CO 1	ACS805.03
6	Build a program using PHP that creates the web application for result publication	Remember	CO 1	ACS805.01
7	Build application to send a email using PHP	Understand	CO 1	ACS805.02
8	Build a shopping cart application using PHP with use of cookies.	Understand	CO 1	ACS805.03
9	Explain about the control statements in PHP with example.	Remember	CO 1	ACS805.01
10	Explain about cookies in PHP with example.	Remember	CO 1	ACS805.02
UNIT -II				
PHP OBEJCT ORIENTED LANGUAGE				
Part - A (Short Answer Questions)				
1	What is object oriented programming?	Understand	CO 2	ACS805.04

2	What is data modeling?	Understand	CO 2	ACS805.05
3	What is difference between class and interface?	Remember	CO 2	ACS805.06
4	How session - cookie works in php?	Remember	CO 2	ACS805.04
5	What are some of the big changes php has gone through in the past few years?	Understand	CO 2	ACS805.04
6	What is polymorphism?	Understand	CO 2	ACS805.05
7	How to load classes in php?	Remember	CO 2	ACS805.06
8	How to call parent constructor?	Remember	CO 2	ACS805.04
9	Are parent constructors called implicitly when create an object of class?	Remember	CO 2	ACS805.04
10	What happen, if constructor is defined as private or protected?	Remember	CO 2	ACS805.05
11	What happen, if new-style constructor & old-style constructor are defined? which one will be called?	Understand	CO 2	ACS805.06
12	What is scope resolution operator?	Remember	CO 2	ACS805.04
13	What is static keyword in php?	Remember	CO 2	ACS805.04
14	What is abstraction in php?	Understand	CO 2	ACS805.05
15	What is interface in php?	Remember	CO 2	ACS805.06

Part - B (Long Answer Questions)

1	What Is Overloading? What is object iteration with suitable example	Understand	CO 2	ACS805.04
2	What is final keyword in php? What are properties of object oriented systems?	Remember	CO 2	ACS805.05
3	How can we submit a form without a submit button?	Remember	CO 2	ACS805.06
4	In how many ways we can retrieve the data in the result set of mysql using php?	Understand	CO 2	ACS805.04
5	What is the difference between \$message and \$\$message?	Understand	CO 2	ACS805.04
6	What is the difference between mysql_fetch_object and mysql_fetch_array?	Remember	CO 2	ACS805.05
7	Can we use include ("abc.php") two times in a php page "makeit.php"?	Remember	CO 2	ACS805.06
8	What are the reasons for selecting lamp (linux, apache, mysql, php) instead of combination of other software programs, servers and operating systems?	Remember	CO 2	ACS805.04
9	What is the maximum size of a file that can be uploaded using php and how can we change this?	Remember	CO 2	ACS805.04
10	What is the difference between ereg_replace() and eregi_replace()?	Understand	CO 2	ACS805.05

Part – C (Problem Solving and Critical Thinking)

1	What is different visibility of method/property?	Remember	CO 2	ACS805.04
2	What is a trait in php with suitable example?	Remember	CO 2	ACS805.05
3	What are the different tables present in mysql, which type of table is generated when we are creating a table in the following syntax: Create Table Employee (eno Int(2),ename Varchar(10)) ?	Understand	CO 2	ACS805.06
4	Suppose your zend engine supports the mode <? ?> then how can u configure your php zend engine to support <?php ?> Mode ?	Understand	CO 2	ACS805.04
5	How can we get the properties (size, type, width, height) of an image using php image functions?	Remember	CO 2	ACS805.04
6	How many tables will create when we create table, what are they?	Remember	CO 2	ACS805.05
7	How many ways we can we find the current date using mysql?	Remember	CO 2	ACS805.06
8	What is the difference between group by and order by in sql?	Remember	CO 2	ACS805.04
9	How to get the http request in Php?	Remember	CO 2	ACS805.04
10	What the differences are between require and include, include once?	Understand	CO 2	ACS805.05

UNIT- III

WEB PAGES WITH PHP

Part - A (Short Answer Questions)

S No	QUESTIONS	Blooms Taxonomy Level	Course Outcomes	Course Learning Outcomes (CLOs)
1	What are HTML tags? How does the tags switch a format on differ from those which switch it off?	Understand	CO 3	ACS805.09
2	Which tags and sections must all HTML documents contain?	Remember	CO 3	ACS805.08
3	What is the difference between <title>...</title> and <h1>...</h1>?	Understand	CO 3	ACS805.08
4	What is the need of dynamic web pages?	Remember	CO 3	ACS805.07
5	List out different kinds of web pages?	Remember	CO 3	ACS805.09
6	What is the difference between a static web page and a dynamic web page?	Remember	CO 3	ACS805.08
7	Describe the different ways that styles can be added to a page?	Understand	CO 3	ACS805.08
8	What is dynamic html? What is the main difference between dhtml and html?	Remember	CO 3	ACS805.07
9	Define functions, arrays and objects in Javascript?	Understand	CO 3	ACS805.09
10	Develop the code to design a simple table with a left and right column with border "1".	Remember	CO 3	ACS805.08
11	Give the use of onload and onclick event with example.	Understand	CO 3	ACS805.08
12	What is the most important tool for adding colors to certain areas of the page rather than the entire back ground?	Remember	CO 3	ACS805.07
13	What are the benefits of using styles compared with placing formatting directly into the text of the Web page?	Remember	CO 3	ACS805.09
14	What do you mean by Column Spanning and Row Spanning?	Understand	CO 3	ACS805.08
15	Write a simple in java script that displays the line of text "Welcome to Java Script Programming".	Remember	CO 3	ACS805.08
Part - B (Long Answer Questions)				
1	Design a web page for a library system, page should be in such a way that it should contain all book details- details include fields like Book name, Author name, ISBN and no. of copies available. The web page design should be performed using CSS.	Remember	CO 3	ACS805.09
2	Develop the code using JavaScript for student information system. Student registration number should not be negative, if that is the case it should display a message using popup window.	Remember	CO 3	ACS805.08
3	Illustrate concept and properties of CSS with an example.	Understand	CO 3	ACS805.08
4	Explain in detail about CSS border and CSS outline.	Remember	CO 3	ACS805.07
5	Create a HTML document for a company home page and explain.	Remember	CO 3	ACS805.09
6	Create a HTML document that contains at least 200 words of text. The text of every starting word in the sentence should be blue, every last word in the sentence should be green and nouns should be yellow.	Understand	CO 3	ACS805.08
7	Explain how functions can be written in JavaScript with an example	Understand	CO 3	ACS805.08
8	Design and create the page(s) for accepting the values of name and marks in a table then display them in the descending order of the marks.	Remember	CO 3	ACS805.07
9	Explain the following input components in HTML forms with proper syntax of the corresponding HTML tags. a) Text Input b) Selectable list with multiple selection option c) Radio Buttons.	Remember	CO 3	ACS805.09
10	Design a web page for a library system, page should be in such a way that it should contain all book details- details include fields like Book name, Author name, ISBN and no. of copies available. The web page design should be performed using CSS.	Understand	CO 3	ACS805.09
11	Develop the code using JavaScript for student information system. Student registration number should not be negative, if that is the case it should display a message using popup window.	Remember	CO 3	ACS805.08
12	Illustrate concept and properties of CSS with an example.	Understand	CO 3	ACS805.08
13	Explain in detail about CSS border and CSS outline.	Remember	CO 3	ACS805.07
14	Create a HTML document for a company home page and explain.	Understand	CO 3	ACS805.09
15	Create a HTML document that contains at least 200 words of text. The text of	Remember	CO 3	ACS805.08

	every starting word in the sentence should be blue, every last word in the sentence should be green and nouns should be yellow.			
Part - C (Problem Solving and Critical Thinking Questions)				
1	Write a javascript to display the denomination of the amount deposited in the bank in terms of 100's, 50's, 20's, 10's, 5's, 2's & 1's. (Eg: If deposited amount is Rs.163, the output should be 1-100's, 1-50's, 1- 10's, 1-2's & 1-1's)	Understand	CO 3	ACS805.09
2	Create a HTML document that has the form with the following controls: (a) A text box to collect the customer's name. (b) Four checkboxes, one each for the following items: i. Four HTML textbooks for Rs.1000. ii. Eight XML textbooks for Rs.2000. iii. Four Javabeans books for Rs.2500. iv. Eight UML textbooks for Rs.1500.	Understand	CO 3	ACS805.08
3	State the order of evaluation of the operators in the following. JavaScript statements and show the value of x after each statement is performed. $X=2\%2+2*2-2/2$; $X=(3*9*(3+(9*3/(3))))$;	Understand	CO 3	ACS805.08
4	Write a script that inputs three integers from the user and displays sum, average, product, smallest and largest of these numbers in an alert dialog.	Remember	CO 3	ACS805.07
5	Write a script that calculates the product of the odd integers from 1 to 15 and then outputs HTML text that displays the results.	Understand	CO 3	ACS805.09
6	Explain different character processing methods with an example.	Understand	CO 3	ACS805.08
7	Write a script that reads a series of strings and outputs in an HTML TEXTAREA only those strings beginning with the letter "b".	Remember	CO 3	ACS805.08
8	Write a CSS rule that makes all text 1.5 times larger than the base font of the system and colors it green.	Remember	CO 3	ACS805.07
9	Write a script that inputs three integers from the user and displays sum, average, product, smallest and largest of these numbers in an alert dialog.	Understand	CO 3	ACS805.09
10	Write an HTML page that has one input, which can take multi-line text and a submit button. Once the user clicks the submit button should show the number of characters, words and lines in the entered using an alert message. Words are separated with space and lines are separated with new line character.	Remember	CO 3	ACS805.08

UNIT-IV

WORKING WITH DATABASE

Part – A (Short Answer Questions)

1	What are the advantages/disadvantages of MySQL and PHP?	Remember	CO 4	ACS805.10
2	Explain about database connectivity with PHP with suitable examples.	Remember	CO 4	ACS805.12
3	How do you get Servlet Context reference inside Servlet?	Remember	CO 4	ACS805.10
4	Which open source tag library have you used?	Understand	CO 4	ACS805.11
5	What are the differences between GET and POST method in HTTP protocol?	Remember	CO 4	ACS805.04
6	List different types of statements in JDBC?	Understand	CO 4	ACS805.10
7	Explain different types of JDBC drivers?	Remember	CO 4	ACS805.12
8	How to create a database using PHP and MY SQL?	Understand	CO 4	ACS805.10
9	What is the difference between commit and rollback?	Understand	CO 4	ACS805.11
10	How to retrieve the data in the result set of my SQL using PHP?	Remember	CO 4	ACS805.04

Part - B (Long Answer Questions)

1	Build a program using PHP that creates the web application for	Understand	CO 4	ACS805.10
2	In how many ways we can retrieve the data in the result set of MySQL using PHP?	Remember	CO 4	ACS805.12
3	What are the different types of errors in PHP?	Remember	CO 4	ACS805.10
4	Explain detail about PHP and XML.	Understand	CO 4	ACS805.11
5	What are the components of MVC Architecture?	Understand	CO 4	ACS805.04
6	Write the PHP file system functions?	Remember	CO 4	ACS805.10
7	What is a Cookie? PHP Create, retrieve, delete and modify cookie?	Remember	CO 4	ACS805.12
8	Create a MySQL Database Using MySQL and PDO?	Remember	CO 4	ACS805.10
9	Explain with example PHP connect to MySQL database?	Remember	CO 4	ACS805.11
10	What are the validation rules? Apply rules for the form?	Understand	CO 4	ACS805.04

Part - C (Problem Solving and Critical Thinking Questions)				
1	Explain how to override service () method?	Remember	CO 4	ACS805.10
2	List the methods defined in HttpServletRequest?	Remember	CO 4	ACS805.12
3	Create user validation web application, where the user submits the login name and password to the server. The name and password are checked against the data already available in Database and if the data matches, a successful login page is returned. Otherwise a failure	Understand	CO 4	ACS805.10
4	Create a simple calculator web application that takes two numbers and an operator (+, -,/*and %) from an HTML page and returns the result page with the operation performed on the operands.	Understand	CO 4	ACS805.11
5	Create a web application that takes name and age from an HTML page. If the age is less than 18 it should send a page with "Hello <name>, you are not authorized to visit the site "message, where <name> should be replaced with the entered name. Otherwise it should send "Welcome <name> to this site " message.	Remember	CO 4	ACS805.04
6	Create a web application takes a name as input and on submit it shows a hello <name> page where <name> is taken from the request. It shows the start time at the right top corner of the page and provides a logout button. On clicking this button it should show a logout page with Thank You <name> message with the duration of usage (hind: Use session to store name and time).	Remember	CO 4	ACS805.10
7	A user validation web application in PHP, where the user submits the login name and password to the Server. The name and password checked against the data already available in Database and if data matches, a successful login page is returned. Otherwise a fail message is shown to the user.	Remember	CO 4	ACS805.12
8	Create a web application in PHP that takes name and age from an HTML page. If the age is less than 18 it should send a page with "Hello <name>, you are not authorized to visit the site "message, where <name> should be replaced with the entered name. Otherwise it should send "Welcome <name> to this site "message.	Remember	CO 4	ACS805.10
9	Write a PHP program to check if a number is an Armstrong number or not. Return true if the number is Armstrong otherwise return false.	Remember	CO 4	ACS805.11
10	Briefly Explain MVC architecture in Detail in PHP. What is a Cookie?	Understand	CO 4	ACS805.04

UNIT- V

ADVANCED CONCEPTS

Part - A (Short Answer Questions)

S No	QUESTIONS	Blooms Taxonomy Level	Course Outcomes	Course Learning Outcomes (CLOs)
1	What ftp programs can i use to send and receive files?	Understand	CO 5	ACS805.13
2	How to deny specific users access to the ftp server ?	Remember	CO 5	ACS805.15
3	Can we create logs for ftp authenticated sessions?	Understand	CO 5	ACS805.14
4	What is meaning of max_clients parameter?	Remember	CO 5	ACS805.13
5	Is there any way to monitor clients connected to vsftpd?	Remember	CO 5	ACS805.09
6	I want to copy multiple files without prompting aor any info, how can i do that one?	Remember	CO 5	ACS805.13
7	Local users cannot log in. How to resolve this issue?	Understand	CO 5	ACS805.15
8	For redhat linux or fedora which package is required for ftp service?	Remember	CO 5	ACS805.14
9	Important configuration file for vsftp server?	Understand	CO 5	ACS805.13
10	On which port vsftp server works?	Remember	CO 5	ACS805.09
11	How to restart vsftp server?	Understand	CO 5	ACS805.13
12	How to allow anonymous ftp?	Remember	CO 5	ACS805.15
13	What is passive mode?	Remember	CO 5	ACS805.14
14	Explain directive "session support"?	Understand	CO 5	ACS805.13
15	What is brute force attack?	Remember	CO 5	ACS805.09

Part - B (Long Answer Questions)				
1	Explain remote ftp or ftpmail? explain security concerns of ftp?	Remember	CO 5	ACS805.13
2	What are the steps involved in uploading the files using ftp client software?	Remember	CO 5	ACS805.15
3	What ftp programs can i use to send and receive files?	Understand	CO 5	ACS805.14
4	For redhat linux or fedora which package is required for ftp service? on which port vsftp server works?	Remember	CO 5	ACS805.13
5	For redhat linux or fedora which package is required for ftp service?	Remember	CO 5	ACS805.09
6	How to deny specific users access to the ftp server? what is brute force attack?	Understand	CO 5	ACS805.13
7	How to allow anonymous ftp? how to restart vsftp server?	Understand	CO 5	ACS805.15
8	Is there any way to monitor clients connected to vsftpd?	Remember	CO 5	ACS805.14
9	What ftp programs can i use to send and receive files? explain directive "session support"?	Remember	CO 5	ACS805.13
10	What is meaning of max_clients parameter? what is passive mode?	Understand	CO 5	ACS805.09
Part - C (Problem Solving and Critical Thinking Questions)				
1	If you're mail server is working properly but when you are trying to send mail for hotmail it is showing error relay access denied how you will troubleshoot?	Understand	CO 5	ACS805.13
2	Write down the benefits of php7?	Understand	CO 5	ACS805.15
3	What new features php7 has in store for us?	Understand	CO 5	ACS805.14
4	What is mta and its role in mailing system?	Understand	CO 5	ACS805.13
5	What are the configuration files of postfix server?	Understand	CO 5	ACS805.09
6	Which command is used to see live mail logs in postfix?	Understand	CO 5	ACS805.13
7	If you have 40000 mail in queue of your mail server how will you troubleshoot step by step?	Understand	CO 5	ACS805.15
8	You mail server is working properly still your users are not getting mail how will you troubleshoot?	Understand	CO 5	ACS805.14
9	If reverse dns entry for your mail server is wrong which error you will get and how it will effect your mail server?	Understand	CO 5	ACS805.13
10	Describe below mentioned postfix support commands?	Knowledge	CO 5	ACS805.09

Prepared by:

Mr. D Rahul, Assistant Professor

HOD, IT