



# INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous)

Dundigal, Hyderabad - 500 043

## INFORMATION TECHNOLOGY

### ASSIGNMENT QUESTIONS

<b>Course Name</b>	: <b>Web Technologies</b>
<b>Course Code</b>	: <b>A60512</b>
<b>Class</b>	: III B. Tech II Semester
<b>Branch</b>	: Information Technology
<b>Year</b>	: 2017 – 2018
<b>Course Faculty</b>	: Mr A Krishna Chaitanya, Associate Professor, IT

#### OBJECTIVES

To meet the challenge of ensuring excellence in engineering education, the issue of quality needs to be addressed, debated and taken forward in a systematic manner. Accreditation is the principal means of quality assurance in higher education. The major emphasis of accreditation process is to measure the outcomes of the program that is being accredited.

In line with this, Faculty of Institute of Aeronautical Engineering, Hyderabad has taken a lead in incorporating philosophy of outcome based education in the process of problem solving and career development. So, all students of the institute should understand the depth and approach of course to be taught through this question bank, which will enhance learner's learning process.

S. No	Question	Blooms Taxonomy Level	Course Outcome
<b>Assignment -I</b>			
1.	Explain about Arrays in PHP.	Understand	2
2.	List and Explain the string functions in PHP.	Remember	2
3.	List the statements that are used to connect PHP with MySQL.	Remember	7
4.	Explain PHP form processing with an example.	Understand	2
5.	How can I retrieve values from one database server and store them in other database server using PHP?	Remember	7
6.	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	1
7.	Explain the various terms related to Document Type Definition.	Understand	3
8.	Explain how styling XML with cascading style sheets is done for the library information domain.	Understand	3
9.	Build a document with two links to an external document. The first link should lead to the beginning of the external document. The second link should lead to a particular section in the external document.	Remember	1
10.	Build an XML File using the following information structure including DTD section appropriately:-	Remember	3

	<Accounting> <Inventory> <Inventory_item> <Invoices> <Invoice> <Item> <Sales> Note: a) Inventory_Item has an attribute namely id (Required). b) Inventory_Item, Item & Sales can be Emptytoo. c) Item has 3 attributes namely id (Required), qty & price. Sales has an attribute namely ids (Required).		
11.	Explain about Servlet? Explain lifecycle of a Servlet. Illustrate with an example program.	Understand	6
<b>Assignment -II</b>			
1.	Justify “Servlet offer several advantages over CGI”.	Evaluate	6
2.	Build a Servlet program to illustrate parameter reading and parameter initializing.	Knowledge	6
3.	Explain about the JSP Directive Elements? Explain each one of them in detail?	Understand	6
4.	Explain the MVC architecture and write a JSP program which prints the current date?	Understand	6
5.	List the types of JSP Implicit Objects.	Remember	6
6.	How application data can be shared in JSP. Explain.	Remember	6
7.	Explain sharing and application data in JSP application Development	Understand	6
8.	Build a JavaScript that displays the as per the following: (calculates the squares and cubes of the numbers from 0 to 10)	Remember	4
9.	Insert an image into a webpage. Build a script which displays a message when the mouse is over the image.	Understand	1
10.	Interpret how JavaScript can handle the events? “JavaScript is event driven”. What is meant by an event?	Understand	4
11.	Build a Web page ,which accept user information and user comments on the web site to check if all the Text fields have being entered with data else display an alert.	Remember	1
12.	Build a JavaScript which accepts the text in lower case and displays the text in uppercase.	Knowledge	4

**Prepared by:** Mr A Krishna Chaitanya, Associate Professor, IT

**HOD, IT**