IT230 Web Technologies

Final Study Guide

Spring 2015/2016

We will cover these chapters

Before Midterm	1. **Chapter 1: HTTP**
	2. **Chapter 2: HTML**
	3. **Chapter 3: CSS**
	4. **Chapter 4: JavaScript**
	5. **Chapter 5: DOM**
After Midterm	1. **Chapter 6: Servlets**
	2. **Chapter 7: XML**
	3. **Chapter 8: JSP**
	4. **Chapter 17, 18: Database & JSP**
	5. **Chapter 2, 3: PHP 5 introduction**
	6. **Chapter 4, 5: PHP 5 OOP**
	7. **Chapter 6, 7: PHP database & errors**

Questions Types:

These are just examples of the major questions types:

MCQs, True/False, Short Answer, What is the output of the program or the function, write a code.

Question	Type	Count	Marks
1	MCQs	20	10
2	T/F	20	10
3	Essay	2	8
4	Short note	3	6
5	Find output	3	6
6	Coding	2	10
Total			50

- No essay questions from the part before the midterm.

- Write a code question will be on (HTML, PHP, XML,DOM) only

- What is the output questions will be on (HTML, JavaScript & DOM, PHP)

Topics:

Chapter	Topics
Chapter 1	HTTP request / response (URI, MIME)
Chapter 2	HTML tags: div, p, span, table, ol, ul, img, a, form, input, (code)
Chapter 3	Different methods of embedding CSS Selector Strings (id, class, ...)
Chapter 4	Window.alert, .prompt Functions, var, if, loop, operators.
Chapter 5	(code) Events: onclick, onmouseover, onmouseout, onfoucs, onblur Event Propagation: bubble
Important	**Important**
Chapter 6	(theoretical) Server side programming Sessions Cookies (Privacy Issue)

Chapter	Topics
Chapter 7	XML
Chapter 8	XML syntax XML Document (how to write XML document) Java based DOM (concept) Overview of JSP page components JSP & servlet (the concept) JSP Expression Language MVC (Concept) Essay
Chapter 17,18	JDBC Seven Steps for Database Access(Concept) Prepared Statements (Concept) Callable Statements (Concept) Database Transactions (Concept) Essay
Chapter 2, 3	(code) HTML embedding Comments, Variables Data types, Operators, Decision, loops Functions Define a class and methods inside it Final class (concept)
Chapter 4,5	Design patterns (Strategy pattern, singleton pattern, factory pattern, observer pattern) (concept) Essay Read user input (code) TECHNIQUES TO MAKE SCRIPTS "SAFE" (concept) Cookies & sessions (code)

Chapter	Topics
Chapter 6, 7	Mysql Buffered Versus Unbuffered Queries (concept) Connect to mysql (code) Error versus Warning (concept) Essay Essay

Wish you All good luck
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