



# Daffodil International University

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Final Examination Semester: Summer-2018

Course Code: CSE 417 (DAY) Course Title: Web Engineering

Course Teacher: ALL

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Ansul  
03.09.18

Time: 2.0 Hours

Full Marks: 40

You have to answer any four (4) of the following questions. Figures in the right-hand margin indicate full marks.

1. The ICC World Cup 2019 is going to be held in July 2019. For this mega event, the organizing committee have opened up a registration process for the spectators coming from all over the world. People must register using this procedure to get their tickets. The registration form includes various fields such as firstName, lastName, age etc.  

5+5=  
10

  - a. Write appropriate code to build the form and connect the form with database. Also illustrate how you can update the firstName, address and age fields (previously stored) in the database.
  - b. What do you mean by resource and object in PHP? Write short notes on static and global variables.
2. When you work with an application, you open it, do some changes, and then you close it. The computer knows who you are. It knows when you start the application and when you end. But on the internet there is one problem: the web server does not know who you are or what you do.  

3+4+3  
=10

  - a. Why the above scenario occurred? How can we resolve that?
  - b. What is a PHP session and cookies? Write the main difference between them with appropriate example.
  - c. Write the difference between php include() and require() function with example.
3. JavaScript (JS) is a lightweight, interpreted, programming language with first-class functions. Most well-known as the scripting language for Web pages. JS is a prototype-based, multi-paradigm, dynamic scripting language.  

2+5+3  
=10

  - a. Are Java & JavaScript same? How is JavaScript different from PHP?
  - b. Write a JS code by using prompt box for finding the volume of a cylinder (**Volume (V) =  $\pi r^2 h$** ). Use appropriate variables which is needed only for the program.
  - c. "JavaScript can change HTML attributes"- explain with appropriate code?

document.prompt



4. Object-Oriented PHP helps your code stay flexible by allowing it to be only defined once but used in many places.

4+3+3  
=10

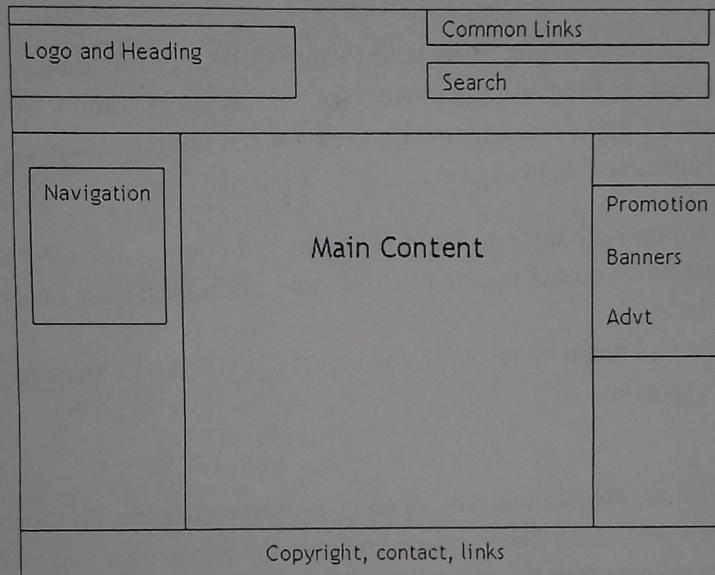
- How we can keep our data private based on oop concept? Which principles we should follow to keep our data private? - Explain briefly with example code.
- What is an abstract class in php? What are the difference between abstract class and interface?
- "Method overloading is known as compile time polymorphism."**-Why?

4. Answer all the questions of the followings.

4+6=  
10

- Explain what MVC stands for. Illustrate the architecture of MVC along with its drawbacks.
- Write the appropriate html and css code for the following fig.

view  
model  
controller



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