THE OPEN UNIVERSITY OF SRI LANKA
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
B.Sc. DEGREE PROGRAMME 2014/2015
NO BOOK TEST 01
CPU3149: WEB TECHNOLOGIES
DURATION: **ONE HOUR ONLY (1 HOUR)**

Date: **01st February, 2015**   Time: **01.00 pm to 02.00 p.m**

Answer **ALL** Questions.

Q1). Assume you have been appointed as the course coordinator for the computing subjects in the university. There is a requirement to make the learning materials available on a website, to be able to access by the computer science students.

i.   Explain briefly, the different parts of the system you would implement to fulfill this requirement.

ii. What is the mechanism you would use to store the learning content? List two (02) advantages of your selection.

iii. List three (03) protocols you can use in your system, along with the purpose of each of them.

iv. List four (04) design measures you will follow when creating the web pages.

v.   Describe briefly how you are going to secure your website from unauthorized access.

Q2). Assume you have been invited to improve the existing website of a fashion store.

i.   List four (04) technology capabilities you will consider when selecting developers for your development team.

ii. List four (04) improvements you will introduce to make the customer experience better.

iii. Explain briefly how you are going to optimize the website for search engines.

iv. What is the purpose of a web service? List two (02) web services that can be useful on your website.

v.   If you are planning to make the website available on mobile devices, list four (04) modifications you have to make on the existing website.

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