

THE OPEN UNIVERSITY OF SRI LANKA
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
B.Sc. DEGREE PROGRAMME 2014/2015



NO BOOK TEST 02

CPU3149: WEB TECHNOLOGIES

DURATION: ONE AND HALF HOURS ONLY (1 HOUR)

Date: 08.03.2015

Time: 1.00 pm – 2.00 pm

Answer **ALL** Questions.

Q1). Department of Meteorology, Sri Lanka has decided to use better technology to their Information System so that they can add more value to the information and statistics they produce.

- i. List four reasons, why they should convert their data into XML format.
- ii. Define a sample XML which is capable of storing daily data for temperature and rain fall of different districts.
- iii. Describe briefly why it is important to implement web services to publish their data.
- iv. Explain how an external institute can utilize the weather information using web services.
- v. Describe briefly the consequences of four known security vulnerabilities that might occur.

Q2). An upcoming restaurant needs to have a web presence with online ordering facility.

- i. Why it is important to have a Mobile App than having only a web site? Briefly explain two reasons.
- ii. For the mobile presence what will be your choice, a mobile website or a mobile app. Justify your answer briefly.
- iii. List the steps of hosting your website after the development is finished.
- iv. List two web server technologies that can be used to host your website. List the differences between them.
- v. What type of authentication method would you use? Explain your selection briefly.

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