THE OPEN UNIVERSITY OF SRI LANKA
DEPARTMENT OF COMPUTER SCIENCE
B.Sc. (IT) DEGREE PROGRAMME 2026/2027
ITU5305: ENTERPRISE APPLICATION DEVELOPMENT
Final Examination

DURATION: **TWO HOURS ONLY (2 HOURS)**

Date: **2026.06.18** Time: 1:30 pm – 3.30 pm

Answer a **total of four (04) Questions. Question 1 is compulsory,** and answer **any three (03) questions** from Questions 2 to 6.

Question 01

a) What is a Learning Management System (LMS)? (5 Marks)

b) Briefly explain the main functions in LMS (5 Marks)

c) How can a Learning Management System (LMS) be used to enhance teaching, learning, and student engagement in an educational institution? (5 Marks)

d) A university uses a Learning Management System (LMS) to manage courses and assignments. However, many students are missing assignment deadlines because they do not regularly check LMS announcements and notifications.

As an LMS Administrator, propose a solution to reduce the number of missed assignment deadlines. (10 Marks)

Question 02

a) What is the Enterprise Application Software? (5 Marks)

b) How do you choose the best SCM solution for an enterprise? (5 Marks)

c) Briefly explain the types of Enterprise Application Software with examples.(5 Marks)

d) Compare monolithic EAD with Micro-services EAD. (10 Marks)

Question 03

a) What is the Enterprise life cycle? (5 Marks)

b) Why are development frameworks important to the enterprise? (5 Marks)

c) Explain the activities of the enterprise life cycle? (5 Marks)

d) Discuss the importance of DevOps in enterprise application development. (10 Marks)

Question 04

a) Explain the role of enterprise servers in distributed application environments. (5 Marks)

b) What are the advantages of cloud applications? (5 Marks)

c) Briefly explain how a cloud application works. (5 Marks)

d) Analyze the security risks associated with cloud-based enterprise applications. (10 Marks)

Question 05

a) Explain the role of Eclipse IDE and Apache Tomcat 9 in EAD. (5 Marks)

b) Discuss the steps required to setup environment variables for Eclipse and Tomcat. (10 Marks)

c) Describe the steps required to create and deploy a simple static web application containing HTML and CSS files using Eclipse and Tomcat 9. (10 Marks)

Question 06

a) What are the disadvantages of cloud applications? (5 Marks)

b) How to choose the right cloud applications for your organization? (5 Marks)

c) Give five (05) examples of cloud applications. (5 Marks)

d) Briefly explain the key factors a company should consider when migrating from traditional on-premises applications to cloud-based applications. (10 Marks)

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