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Daffodil International University

Faculty of Science & Information Technology
Department of Computing and Information System
Final Examination, Spring-2026
Course Code: CIS-216L, Course Title: OBJECT ORIENTED PROGRAMMING Lab
Level: 2 Term:1

Exam Duration: 2 Hours **Marks: 40**

Answer ALL Questions

Develop a **Student Management Web Application** using Spring Boot and Thymeleaf with a MySQL database. The system should allow users to perform full **CRUD operations through web pages (or REST API).**

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1.		Project Setup- Create project using Spring Initializr Add dependencies: **Spring Web , Spring Data JPA , Thymeleaf , H2 , Lombok**		CO1 5
2		**Entity Class** : Create Student entity with:**id (Primary Key) , name , email , course , age . Use JPA annotations (@Entity, @Id, etc.)**		5
3		**Repository Layer** Create interface:		5
4		~~Service Layer~~ (8 Marks) **Implement:Save student , Get all students , Get student by ID , Update student,**		10
5		Controller Layer (7 Marks) Create MVC controller: URL /students — Show all students /students/new — Show form /students/save — Save student /students/edit/{id} — Edit form /students/delete/{id} — Delete student		10
		Test it UI		5