



# United International University (UIU)

## Dept. of Computer Science & Engineering (CSE)

Mid Term Exam:: Trimester: SUMMER 2022

Course Code: CSE 469, Course Title: PROJECT MANAGEMENT

Total Marks: 30

Duration: 1 hour 45 mins

*Any examinee found adopting unfair means will be expelled from the trimester / program as per UIU disciplinary rules.*

**Answer all the questions.**

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### ***The Scenario***

Say, you have to develop a software to manage a fish farm. You have to enter the daily purchase of supplies into a software system. Everyday, the use of materials, that is the items that are used as food, will also be recorded in the system. The system will also keep track of total fish management like how many sold or died, how many sick, etc. It will keep track of the accountings of the farm like how much spent for purchasing fish feed and income from fish sales. Now answer the followings based on this scenario.

1. Choose a software engineering methodology that you will be using to develop this System.

State some justifications

5

[CO1- Adapt a process methodology to develop a project.]

2. Write the Vision and Scope statement.

5

[CO2- Collect Requirement, Plan, schedule a project including risk assessment with proper documentation and presentation.]

3. Develop a work breakdown structure [CO2]

5

4. Say you are a team of 3 members. Use Delphie estimation to estimate the project.

5

[CO3-Estimate Cost, Optimization, and performance calculation. ]

5. In one line / one diagram describe the followings

10 X 1= 10

4 elements in each WBS Element

Verb-Oriented WBS

4% rule of decomposition

Scrum Master

Product Owner

Backlog

Phases of Rational Unified Process

Spiral Model

Effort

Mutually exclusive