United International University (UIU)
Dept. of Computer Science & Engineering (CSE)
Final Assessment   Trimester: Summer 2020   Marks: 25   Time: 1 Hour 15 mins
Code: CSI 311   Course Title: System Analysis & Design

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

Answer ALL of the following questions:

QUESTION 1   [CO 5]   8

1. a) Mention the basic structure or organogram or areas of a good SRS document. Mention the major two properties those should be maintained by any valid SRS document.

                                                                                              3+1

   b) Mention how an SRS document serves the vital role among the different stakeholders for any software development project into different perspectives.   4

QUESTION 2   [CO 3]   8

2. Suppose you are asked to do the design of a software module that will conduct the UIU Online Course Registration process. The course registration process requires the different activities/involvements among Students, Supervisors, Department Office and Online Financial Transaction Body. Consider the situation that Students can conduct the process by themselves or in case of assistance they may seek help from supervisors and therefore complete the whole course registration system.

   For the above mention scenario do the following:
   a) Show the classes with their respective methods   [3]
   b) Draw use case diagram.   [2]
   c) Draw the Sequence diagram.   [3]

QUESTION 3   [CO 5]   9

3. a) Define a Project? Mention the major tasks we need to conduct for managing a Project Management in a better way.   1+2
   b) Find out the Schedule for the following Project (task list) through i) Gantt Chart and ii) PERT Method.   3+3

Activity List	Dependency/ Prerequisite	Duration (Hours)
A	-	2
B	-	3
C	A	3
D	-	2
E	D	4
F	E	6
G	C	5
H	B,C	2
I	E, H	7
J	G	5
K	H	4