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Daffodil International University

Department of Computer Science and Engineering

Faculty of Science and Information Technology (FSIT)
Class test3, Semester: Fall-2025

Course Code: CSE227 **Course Title: System Analysis and Design**
Section: 66_C **Course Teachers: Dr. Md. Monzur Morshed(MMM)**

Time: 50 min **Total Marks: 15**

[Answer all the questions]

1. The following table shows a list of activities/tasks, their independencies and times required to complete each activity/tasks for a project:

Activities/Tasks	Dependency	Time(Week)
A	-	10
B	-	5
C	-	7
D	A, B	7
E	C	6
F	E	4
G	D, F	10
H	G	4
I	G	9
J	H, I	10

(a) Draw the Gantt chart, PERT Network and show ES,EF,LS LF times.
(b) Find the critical value.
(c) Find the slack times

[9]

1. Cox'sbazar is a tourist place in Bangladesh that has the longest sea beach, many sites, along with forests and striking mountains. A few first-class hotels and many less-expensive accommodations can be found along its beautiful sand beaches. The major airlines have regular flights to Cox'sbazar, as do several small airlines. Tourist authority wants to increase tourism and develop new markets for sea fish and tropical agricultural products.
(a) What Internet business model would be appropriate? What functions should the Web site perform?
(b) Select any two electronic payment systems for the business and explain the working procedure for this case.

[3+3]