HONG KONG INSTITUTE OF VOCATIONAL EDUCATION

Class Demo Week 3

TASK:

1. Given the following project activities of XYZ Ltd and all the associated constraints:

Activity	Activity Dependency	Duration (week)
A	-	3
B	-	5
C	B	3
D	A	1
E	C, D	8
F	E	3
G	C	3
H	G,E	1
I	H	2

(a) Draw a PERT Chart

(b) Calculate the slack time for each activity;

(c) Identify the critical path.

2. Peter, an information system department project manager, has produced a project plan for a new inventory control system.

The project has the following list of software development life cycle activities and their required completion times.

Activity	Preceding Activity	Duration (Week)
A	--	3
B	--	5
C	A, B	10
D	A	3
E	D	5
F	A	8
G	E	3
H	F, G	10

You are required to:

(a) Draw a **PERT chart** for the above project activities.

(You must include the Earliest Completion Time and the Latest

Completion Time in your chart)

(b) Calculate the slack time of all the activities.

(c) Identify the critical path.