

Question No. [4]:

(10 Marks)

Activity	Immediate predecessor	Expected time	Optimistic time a	Most likely time m	Pessimistic time b
A	-	5	4	5	6
B	-	3	1	3	5
C	A	2	2	2	2
D	A	4	3	4	5
E	B	9	7	8	15
F	C	2	1	2	3
G	D,F	1	1	1	1
H	G	7	6	6	12
I	E,H	2	1	2	3

Assume a project completion time of nineteen days after the project begins. From the above data, perform the following:

- a-Draw the PERT network ,labeling activities, and compute ES,EF,LS and LF.
- b-Determine the critical path as well as the total slack and free slack.

Good luck

Exam . Matrix

This exam. measures the following ILOS			
Question No.	Q1,Q2	Q4	Q3
Skills	a 7	b9	c1
	Knowledge&Understanding skills	Intellectual skills	Professional skills