

The following table provides activities, time estimates, and predecessors for a project.

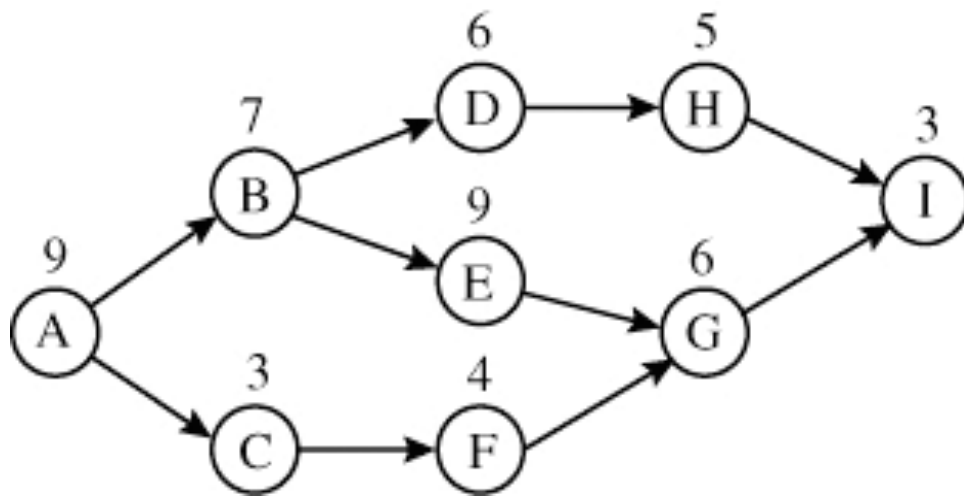
Activity	Time (hours)	Immediate Predecessor
A	6	-
B	7	-
C	5	A
D	6	B, C
E	5	B, C
F	8	D
G	4	E, F

a) Draw a project network using activity on node (AON) (5 marks)

b) Identify the critical path. Summarize the answer in the following table

(5 marks)

Task	Time	ES	EF	LS	LF	Slack
A						
B						
C						
D						
E						
F						
G						
H						
I						



(b, c)

Task	Time	ES	EF	LS	LF	Slack
A	9	0	9	0	9	0
B	7	9	16	9	16	0
C	3	9	12	18	21	9
D	6	16	22	20	26	4
E	9	16	25	16	25	0
F	4	12	16	21	25	9
G	6	25	31	25	31	0
H	5	22	27	26	31	4
I	3	31	34	31	34	0

Activities on the critical path: A, B, E, G, I

Project completion time = 34