6.

Activity	Immediately preceding activities
A	–
B	–
C	–
D	A
E	A
F	A, B, C
G	C
H	G
I	D, E, F, H
J	I
K	I
L	I
M	L

(a) Draw the activity network for the project described in the precedence table above, using activity on arc and the minimum number of dummies.

(5)

(b) State which activity is guaranteed to be critical, giving a reason for your answer.

(2)

It is given that each activity in the table takes two hours to complete.

(c) State the minimum completion time and write down the critical path for the project.

(2)

(Total 9 marks)