6.

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

(a) Draw the activity network described in the precedence table, using activity on arc and exactly four dummies.

(5)

Given that there is a unique critical path for the network and that K is a critical activity,

(b) state the critical path for the network.

(1)

Given instead that all the activities shown in the precedence table have the same duration and K is not necessarily critical,

(c) state all the possible critical paths for the network.

(2)

(Total 8 marks)

TOTAL FOR PAPER: 75 MARKS

END