4.

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

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

(5)

(b) Given that

- the activity network contains only one critical path
- activity E is on this critical path

state

(i) which activities could **never** be critical,

(ii) which activities **must** be critical.

(2)

(Total for Question 4 is 7 marks)