**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**

Leave blank

**6.**

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**Question 6 continued**

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**Question 6 continued**

Q6

**(Total 8 marks)**

**TOTAL FOR PAPER: 75 MARKS**

**END**

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