**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)**

Leave blank

**6.**

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

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DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA
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Leave blank

**Question 6 continued**

**Q6**

**(Total 9 marks)**