

# Project Management Quiz 4

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# Quiz 4

- **Aims**
  - To understand the purpose of project scheduling.
  - To understand the important of project network.
  - To understand the critical path in the project.
- **Expected Outcomes**
  - Students are able to apply the fundamental of scheduling in the proposed project.
  - Students are able to develop a relationship using AON or AOA.
  - Students are able to identify the critical path based on the defined predecessor.
- **References**
  - William, R.T. 2013. Project Management. Random Exports
  - Heagney, J. 2012. Fundamentals of Project Management. American Management Association.
  - Richardson and Gary, L. 2010. Project Management theory and practice. Taylor and Francis.

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**Table 1** shows some activities with their predecessor and duration.

**Table 1**

Activity	Predecessor	Duration
<b>A1</b>	-	3
<b>B2</b>	-	5
<b>C3</b>	-	3
<b>D4</b>	B2	5
<b>E5</b>	A1	7
<b>F6</b>	A1	3
<b>G7</b>	B2	4
<b>H8</b>	C3, D4	6
<b>I9</b>	C3, D4	3
<b>J10</b>	E5	6
<b>K11</b>	F6, G7, H8	3
<b>L12</b>	F6, G7, H8	4
<b>M13</b>	I9	12
<b>N14</b>	J10, K11	8

1. Construct a project network using AOA and AON.
2. Identify the critical path and expected project completion time.

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