

1999 Paper 8 Question 5

Business Studies

What is meant by a *critical path*? [5 marks]

Draw a PERT diagram for the process of getting up in the morning, making breakfast (tea, toast), and leaving for lectures. Show the critical path. [5 marks]

Derive the GANTT chart. What is the latest time to get up, if you must leave at 08:30? Comment on resource conflicts. [5 marks]

Does extra capital plant (such as an automatic tea-maker), allow you to get up later, and by how much? What other process improvements might there be? [5 marks]