## Business Studies

A software project has two phases, each with three tasks. They are expected to take the following amount of effort:

| Phase 1: |  |
| :--- | :--- |
| Analysis: | 3 weeks |
| Code: | 2 weeks |
| Test: | 1 week |
| Phase 2: |  |
| Analysis: | 1 week |
| Code: | 2 weeks |
| Test: | 3 weeks |

Within a phase a task cannot start until the previous task completes. A task in Phase 2 cannot start until the corresponding task in Phase 1 has completed.
(a) Draw the PERT and Gantt charts for the project. What is the minimum elapsed time?
(b) Two staff are assigned to the project, an analyst and a programmer. The analyst also acts as test engineer. How long will the project take with this staffing?
(c) The analyst is charged out at a fixed rate of $£ 500$ /day and the programmer at $£ 300$ /day, including overheads. How much would you quote for the project and why?
[5 marks]
(d) Explain how you would monitor such a project. How would you turn the result into a product?

