

COMPUTER SCIENCE TRIPOS Part IB – 2016 – Paper 3

8 Software Engineering (RJA)

Discuss the contribution and the relative value of the following aspects of the modern development environment. Illustrate with examples from your group project, or from experience you gained working for a commercial software developer, or both. In each case, would you discard this feature if your employer let you, or insist on retaining it (even covertly) should your employer not value it? Explain your reasons.

- (a) Dividing a project into short development episodes or sprints.
- (b) Project progress visualisation tools such as PERT and GANTT charts.
- (c) Automated regression testing tools.
- (d) Source code management tools.
- (e) Scrumming.

[4 marks each]