

## COMPUTER SCIENCE TRIPOS Part IA – 2023 – Paper 2

### 5 Software and Security Engineering (rja14)

Describe one independent advantage given by each of the following four innovations in software development methodology in terms of the type of effort that was reduced and the resulting efficiencies, both for individual developers and in terms of scaling.

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|------------------------------|-----------|
| (a) High level languages     | [5 marks] |
| (b) Regression testing tools | [5 marks] |
| (c) Open-source software     | [5 marks] |
| (d) Software as a service    | [5 marks] |