

# PGT Exam Performance Feedback

## 2017/2018 Semester 2

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COMP61242 Mobile Communications

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- Comments**
- Q1: Most people answered this question & obtained reasonable marks. Part (c) was not well answered and perhaps the concept of a foreign agent was not well understood.
- Q2: About half the class answered this question. Some answers to parts (a) and (b) were rather long and somewhat off the point.
- Q3: The majority answered this question on security and the marks were good (highest average of all questions) The ASCII code deciphering example seemed to pose few difficulties to anyone.
- Q4: Everybody attempted this question. There were many reasonable answers, which explained the concept and use of error detection and FEC in mobile communications. But nobody explained why FEC and error detection are used simultaneously over wireless links (as opposed to separately).
- Q5: Only three people attempted this question, and there was one good answer. The inverse-square law problem caused difficulties, and nobody realised that moving near enough to the base-station to double the received signal power does not double the maximum possible bit-rate according to the Shannon-Hartley Law.
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