Comments on student performance in the MATH20302 (Propositional Logic) May 2015 exam

A1 - Most students computed the Beth tree correctly and used it to extract a DNF for the term.

A2 - This question was generally done well; most marks dropped were due to computational errors. Some students did not see how to do the last part correctly.

A3 - This gave few problems.

A4 - Most students did this correctly or with small slips.

A5 - These questions are relatively hard but many students did answer them well; in general students used sensible approaches to answering them, mostly arguing in terms of valuations.

B6 - This question was done pretty well, with many good answers for the (hardest) last part.

B7 - Part (a) was generally done well; Part (b) was done better than I had expected, with most students using the interpolation theorem, rather than induction on complexity.

B8 - The least popular (if that's the right word) of the three Section B questions. Students who attempt this question did produce some good answers for part (a) and a few students were able to give a complete answer to part (b).