Graded assignment - Marking Scheme

24th March 2024

- Question 1 - two marks for each part (a), (b), (c), (d), for a total of **8 marks**.
- Question 2 – three marks for part (a), three marks for part (b), three marks for part (c), and one mark for part (d), for a total of **10 marks**.
- Question 3 - 2 marks for part (a), 2 marks for part (b), and 2 marks for part (c), for a total of **6 marks**.
- Question 4 – **five marks**. One mark for SOV, one mark for picking out the solution as a Bessel function, one mark for the BC at $r = 1$, two marks for finishing off down to the end.
- Question 5 - two marks for part (a), two marks for part (b), for a total of **4 marks**.
- Question 6 – three marks for each question part (a), (b), and (c), for a total of **9 marks**.

This gives a total of 42 marks.

A further **8 marks** are available for precision and clarity, meaning that the total number of marks available on the assignment is **50 marks**.

Criteria for precision and clarity:

- 7/8 marks for a textbook-style set of solutions showing extra reading and including a bibliography. The answers should be succinct and have just the right amount of detail. The Latex formatting should be excellent.
- 5/6 marks for a good style of answer showing some extra reading and ideally including a bibliography. The Latex formatting should be good.
- 3/4 marks for an acceptable style of answer showing a reasonable amount of clarity.
- 2 marks for Latex submission but no other redeeming features.
- 0 marks for handwritten submission.