

**Physics 7501 (Quantum Mechanics I):
Homework Set No. 11**

**Due date: Tuesday, December 1, 2015, 5:00pm
in PRB M2025 (Abhishek Mohapatra's office)**

Total point value of set: 90 points

Problem 1 (10 pts.): Exercise 10.2.2 (Shankar, p. 259)

Problem 2 (10 pts.): Exercise 10.2.3 (Shankar, p. 260)

Problem 3 (10 pts.): Exercise 10.3.1 (Shankar, p. 277)

Problem 4 (10 pts.): Exercise 10.3.2 (Shankar, p. 277)

Problem 5 (10 pts.): Exercise 10.3.3 (Shankar, p. 277)

Problem 6 (10 pts.): Exercise 10.3.4 (Shankar, p. 278)

Problem 7 (20 pts.): Exercise 10.3.5 (Shankar, p. 278)

Problem 8 (10 pts.): Exercise 10.3.6 (Shankar, p. 278)