



Damietta University
Faculty of Science
Physics Department
Oral Exam



4th year physics

Quantum Mechanics (ph 410)

Answer all the Following:

a) What do we mean by the following statements: (10 Marks- 2 for each)

- 1- A quantum mechanical operator is hermitian.
- 2- The Hamiltonian is a constant of motion.
- 3- The quantum mechanical operators commute with each other.
- 4- The potential is a short range potential.
5. The scattering of the wave is elastic.

Best wishes

Prof. Dr. Mustafa Selim
