

**University of Barisal**  
**Department of CSE**

1<sup>st</sup> MidTerm, 1<sup>st</sup> Semester, Session: 2016-17

Course Name: Chemistry, Course No: CHEM-1105 (3 Credits)

Time: 1:00 hr

Full Marks: 10

1. What is orbit and orbital? Explain. 2
2. What is computational chemistry? Why do students of CSE need to study chemistry? 2
3. What is quantum number? Explain different types of quantum number. 3
4. What is Pauli Exclusion principle? Explain with example. 2
5. What is the total number of orbitals associated with principle quantum number  $n = 4$ ? 1