

University of Barisal

Department of CSE

2nd Midterm, 1st Semester, Session: 2016-17

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

Time: 1:00 hr

Full Marks: 10

1. What is chemical bond? Write down the properties of ionic bond and covalent bond. 3
2. What are inert gases? Write down the electronic configurations of all inert gases. 3
3. What is VSEPR model? Predict and draw the geometry of the following compounds using VSEPR model 4

(I) BF_3 (II) XeF_4 (III) ClF_3 (IV) SO_2 (V) SF_4 and (VI) BrF_5