Section I: Single-Correct MCQs (+3/-1)

1.		For ClO2 (odd-electron molecule), the best description is A) Linear, diamagnetic	
	л, В)	Bent, paramagnetic	
	G)		
	C)	Bent, diamagnetic	
	D)	Trigonal planar, paramagnetic	
_	T I		

- 2. The correct order of acidity in gas phase is
 - A) H2O < CH3OH < C6H5OH
 - B) CH3OH < H2O < C6H5OH
 - C) C6H5OH < CH3OH < H2O
 - D) CH3OH < C6H5OH < H2O
- 3. The curve of ln k versus 1/T for a reaction is straight. The slope equals
 - A) Ea/R
 - B) -Ea/R
 - C) -RT/Ea
 - D) Ea/RT
- 4. The pair that can show linkage isomerism is
 - A) [CrCl2(H2O)4]Cl
 - B) [Co(NH3)5NO2]Cl2
 - C) [Ni(H2O)6]Cl2
 - D) [Fe(CN)6]4-
- 5. Among the following, the strongest oxidizing agent in acidic medium is
 - A) MnO4-
 - B) Cr2O72-
 - C) NO3-
 - D) CIO3-
- 6. The major product of the following is
- 7. CH3-CH=CH2 + Br2/H2O \rightarrow
 - A) 1-bromopropane
 - B) 2-bromopropanol
 - C) 1,2-dibromopropane