

**Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore-641 043**

Bachelor's Degree Examination – November 2017

I Semester

**Class : I UG
Major : Biochemistry and Biotechnology**

**Time :3 hours
Max. Marks: 100**

15BBCI01 DSE – I Chemistry for Biochemistry

Part-A

10 x 1=10

Choose the correct answer

1. Which of the following is highly flammable chemical?
a. CCl_4 b. Ether c. Aniline d. HCl
2. 40g of NaOH is dissolved in 2 liters of its solution. The normality of the solution is
a. 0.5N b. 1N c. 1.5N d. 2N
3. Glucose is soluble in water due
a. Vanderwal's forces b. Powder nature
c. H-bonding d. ionic nature
4. The p^{H} of rain water would be normally
a. = 7.0 b. >7.0 c. <5.0 d. <7.0
5. Which of the following has more electron affinity?
a. F b. Cl c. Br d. I
6. An example of hexadentate ligand is
a. EDTA b. en c. H_2O d. Ox
7. The valency of carbon is
a. 2 b. 3 c. 4 d. 5
8. The symmetry element present in an optically active compound is
a. Plane b. Centre c. Axis d. None of the above
9. Heat released in a reaction is 8kJ/mol and its activation energy for the reverse reaction is 30kJ/mol, the activation energy for the forward reaction would be (in kJ/mol)
a. 22 b. 38 c. 15 d. -38
10. Which of the following conductance would decrease on dilution?
a. Equivalent b. Molar
c. Specific d. Both a and b

