

**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 : Zoology**

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

15BZOI01 –DSE - I Chemistry Theory for Zoology

**Part-A
Choose the correct answer**

10 x 1=10

1. Which of the following is more volatile?
a. CCl_4 b. Diethyl ether c. Ethanol d. Benzene
2. 20g of NaOH is dissolved in 500 ml of its solution. The normality of the solution is
a. 0.5N b. 1N c. 1.5N d. 2N
3. Urea is soluble in water due
a. presence of $\text{C}=\text{O}$ b. Vanderwal's forces
c. H-bonding d. ionic nature
4. The P^{H} of base is
a. = 7.0 b. >7.0 c. >14.0 d. <7.0
5. The number of stereoisomers possible for an open chain glucose is
a. 2 b. 4 c. 8 d. 16
6. The link present in proteins is
a. $-\text{NH}-$ b. $-\text{O}-$ c. $-\text{CONH}-$ d. $-\text{COO}-$
7. The valency of carbon is
a. 4 b. 3 c. 2 d. 5
8. The sufficient condition for a molecule to be optically active is the presence of
a. Chirality b. Chiral centre
c. Asymmetric carbon d. All the above
9. The more polar solvent is
a. EtOH b. H_2O c. CHCl_3 d. benzene
10. Solids are purified by
a. Extraction b. Vacuum filtration
c. Distillation d. Crystallization

