**ASSIGNMENT-8**

**M Pharm (Pharmacology) II Sem**

**Subject- Principle of Drug Discovery (MPL-203T)**

Q1. What is the meaning of PDB in molecular docking study?

i) Protein Device Boundary

ii) Protein Data Bank

Q2. PIC50 means

i) –Log (IC50)

ii) Log (IC50)

Q3. If protein structure is not moveable but molecule is moveable, the type of molecular docking is

i) Rigid Docking

ii) Flexible Docking

Q4. Among the two graphs which one has minimal outliers?

i) R2=0.59

ii) R2=0.69

Q5. Define microarray and enlist tools for target identification and validation.

Q6. Write note on cost –benefit equation and economic benefit comes from the avoidance of early mortality by the use of modern medicines.

Q7.Write down the basic principle of the followings-

i) Nucleic acid microarray

ii) Protein microarray

iii) RNA interference

iv) Genomics & Proteomics

v) DARTS