

### **3<sup>rd</sup> Sem MCA**

#### **SPM Lab**

#### **MCA392**

#### **Assignment No. 1**

#### **WAP to implement FPA method**

In a system, total no. for each type FP is given as:

i/p->60, file->25, query->35, i/f->20, o/p->25. The types of FP are simple, avg., complex.  
The no. ratio for each FP is like: i/p=1:6:3, file=1:2:2, query= avg., i/f= complex, o/p=2:2:1.  
The wt. factors for FP are resp. 0.5, 1.0, 1.5 for simple, avg. and complex types.  
The reliability and complexity of the system are 65% and 0.75 resp. Compute FP for the above system (UFP, TDI, VAF, AFP).