Q1. Consider a relation R (A , B , C , D , E , F , G ) with the functional dependencies-

A → BC

BC → DE

D → F

CF → G

Find closure set of A, BC, D, CF. Also find the candidate and super key.

Q2. **Consider the relation scheme R (E, F, G, H, I, J, K, L, M, M) and the set of functional dependencies**

**{EF -> G,**

**F -> IJ,**

**EH -> KL,**

**K -> M,**

**L ->N}.**

**What is the candidate and super key for R?**

**Q3. Consider a relation scheme R (A, B, C, D, E, H) on which the following functional dependencies hold: {A–>B, BC–> D, E–>C, D–>A}. What are the candidate keys of R?**