**Question:3 What is SDLC ? Explain each phase of SDLC**

**Answer: SDLC Means The software Development life cycle. SDLC is methodology with clearly defined processes for creating high-quality software .**

**There are six phase of software development life cycle.**

1. **Requirement gathering**
2. **Analysis**
3. **Designing**
4. **Implementation**
5. **Testing**
6. **Maintenance**

**1)Requirement gathering: in this phase we collect all the data from clients and understand their’s requirements**

**2) analysis : In this phase we analysis’s client’s requirements and arrange meetings for understand all the clients requirements.**

**3) designing: In this phase we start creating blueprint of our software according to client’s requirement**

**4) Implementation: in this phase we start creating our software according our blueprint and complete our all-coding work**

**5) Testing: in this phase we test our software if there is any bug or any result not coming according to recruitment then we can fix it**

**6) Maintenance: if there is need to change anything in future then we can maintain at that time.**