

# Important Questions and Answers

**Q1. What is software engineering?**

Software engineering is the process of designing and developing software systems.

**Q2. What is software?**

A set of programs used to perform tasks on a computer.

**Q3. What are types of software?**

System software and application software.

**Q4. What is software development life cycle (SDLC)?**

A process used to develop software.

**Q5. What are phases of SDLC?**

Planning, design, development, testing, and maintenance.

**Q6. What is software testing?**

Checking software for errors.

**Q7. What is debugging?**

Fixing errors in software.

**Q8. What is requirement analysis?**

Understanding user needs.

**Q9. What is software design?**

Planning the structure of software.

**Q10. What is software maintenance?**

Updating and improving software.

**Q11. What is documentation?**

Written information about software.

**Q12. What is software reliability?**

Ability of software to work correctly.

**Q13. What is software quality?**

How well software meets requirements.

**Q14. Where is software engineering used?**

Software development companies.

**Q15. Why is software engineering important?**

It ensures high-quality software development.

