1. a) Explain the differences between Software product and software process.
b) Describe System Software.
c) Describe Software Architecture and Architectural Analysis.
d) Why SRS is most important in SDLC?
e) What is the difference between Object Oriented Programming and Procedural Programming?
f) List different types of CASE tools.
g) Why do we need Coding Conventions?

2. a) Describe the basic principles of the Cleanroom Process.
b) Explain the importance of Component based Software Engineering.
c) Explain software metrics for maintenance.

3. a) What do you understand by Reverse Software Engineering?
b) Explain user documentation for Software Application. How do we organise it?
c) Describe Software Reliability Analysis.

4. a) What do you understand by Formal Specification?
b) Describe Graphical User Interface and Interface Design.
c) Describe release management and explain the role of release manager.

5. a) Differentiate between Software Agent and Program.
c) Describe all levels of CMMI.

b) Explain Code Reuse. List its types.
c) Draw a Use Case Diagram for ATM banking.

b) Describe DMAIC and DMADV methodology of Six Sigma.
c) Differentiate between System Design and Logical Design.