

St.Joseph's College of Engineering
Software Engineering
Assignment – 3

Part - A

1. List the architectural models that can be developed. (NOV/DEC2010)
2. List four design principles of a good design.
3. Explain the qualitative criteria for measuring independence.
4. Distinguish fan-in and fan-out.
5. List out design methods.
6. What are the steps for interface design?
7. Define super-ordinate and subordinate.
8. Define software architecture and mention its characteristics.

Part - B

1. (i) Explain the core activities involved in user interface design process with necessary block diagrams. (NOV/DEC 2010)
(ii) Explain the interface analysis and discuss the goals of task analysis involved in detail.
2. (i) Discuss the design heuristics for effective modularity design.
(ii) Explain the architectural styles used in the architectural design.
3. (i) Discuss about software architecture design, which emphasize on fan in, fan out, coupling, cohesion and factoring?
(ii) Discuss class-based components along with its principles in detail
4. (i) Explain the basic concepts of software design.
(ii) Discuss the process of translating the analysis model into a software design.