**What is Architecture of a software based on?**  
a) Design  
b) Requirements  
c) All of the mentioned  
d) None of the mentioned

**Ans:b**

**What would happen if different organization were given same set of requirements?**  
a) It will produce same architecture  
b) It will produce different architecture  
c) It may or may not produce same architecture  
d) None of the mentioned

**Ans:b**

**What factors does a software architecture results in?**  
a) Technical  
b) Business  
c) Social  
d) All of the mentioned

**Ans:d**

**What does Software architecture means?**  
a) It is the structure or structure of systems  
b) It comprises of software components  
c) Relationship among components  
d) All of the mentioned

**Ans:d**

**The architects are influenced by which of the following factors?**  
a) Customers and end users  
b) Developing organization  
c) Background and experience of the architects  
d) All of the mentioned

**Ans:d**

**Which among the following are true with regards to the architecture business cycle?**  
a) The architecture can affect the enterprise goals of the developing organizations  
b) The architecture affects the structure of developing organizations  
c) All of the mentioned  
d) None of the mentioned

**Ans:b**

**Which of the following does a business case consists of?**  
a) How much should a product cost?  
b) What help does Architecture description language provides?  
c) What is domain analysis?  
d) Non of the mentioned

**Ans:a**

**What claim does Analyzing and evaluating architecture follow?**  
a) ADL’s provide valuable analytical capabilities but tend to concentrate on run-time properties of system  
b) Maintainability is the main aspect  
c) Maintainability has many facets  
d) All of the mentioned

**Ans:d**

**Software Design consists of ?**  
a. Software Product Design  
b. Software Engineering Design  
c. a, b  
d. None of the mentioned

**Ans:c**

**Which of these is true ?**  
a. Analysis – Solving problem  
b. Design – Understanding problem  
c. a, b  
d. None of the mentioned

**Ans:a**

**Which of these are followed in case of software design process ?**  
a. Analysis occurs at start of product design with a product idea  
b. Analysis occurs at the end of engineering design with the SRS  
c. Product design resolution produces the design document  
d. Engineering design resolution produces the SRS

**Ans:a**

**Why do you think iteration is important for design ?**  
a. To frequently reanalyze the problem  
b. To generate and improve solutions many time for better output  
c. a, b  
d. b alone

**Ans:c**

**What is true about generic software product design process ?**  
a. It begins with SRS  
b. It ends with Product Design Problem  
c. Analysis is done and end product is project mission statement  
d. None of the mentioned

**Ans:d**

**Which of the following is considered incorrect with respect to the quality?**  
a) Architecture is critical to the realization of many of the qualities of interest in a system  
b) All qualities are architecturally sensitive  
c) All of the mentioned  
d) None of the mentioned

**Ans:b**

**What can be stated with regards to performance?**  
a) Performance is an example of architectural and non architectural dependencies  
b) Performance depends partially on how much communication is necessary between the components  
c) All of the mentioned  
d) None of the mentioned

**Ans:c**

**By what methods quality attributes can be judged?**  
a) Qualities that can be discerned by observing the system execute  
b) Qualities directly attributable to the system  
c) Qualities about the architecture itself that are important  
d) All of the mentioned

**Ans:d**

Which is true for SRS ?  
a. SRS is the main input of the software product design process  
b. SRS is the main output to the engineering design process  
c. SRS is also the main output of the requirements specification activity  
d. b and c

**Ans:d**

**SRS consists of ?**  
a. Problem staement  
b. Product design  
c. a,c  
d. None of the mentioned

**Ans:c**

**Which of these are non-technical requirements?**  
a. Functional Requirements  
b. Non-Functional Requirements  
c. Developer’s Requirements  
d. Data Requirements

**Ans:c**

**Which is true about functional requirement ?**  
a. A functional requirement is also called behavioral requirement  
b. A functional requirement includes development and operational requirements  
c. A functional requirement is a statement of how a software product must map program inputs to program outputs  
d. None of the mentioned.

**Ans:c**

**The applications of the Client and Server Model are**

a. World Wide Web  
b. Network Printing  
c. Email  
d. All of the above

**Ans:d**

**Real time systems are \_\_\_\_\_\_\_\_.**

a. Primarily used on mainframe computers

b. Used for monitoring events as they occur  
c. Used for program development  
d. Used for real time interactive users

Ans: b

**Real time systems need to \_\_\_\_\_\_\_\_\_\_ the interrupt latency**

a. minimize  
b. maximize  
c. not bother about  
d. none of the above

Ans: a

**Which of these analysis are not acceptable ?**

a. Object oriented design is far better approach compared to structural design

b. Object oriented design always dominates structural design  
c. Object oriented design are given more preference than structural design

d. Object oriented uses more specific notations

Ans: b

In a client-server model where ‘n clients’ are sending request or receiving data from ‘m servers’. There are ‘x intermediate servers’ present which re-route the request (coming from Clients) to appropriate server based on the type of request. The intermediate server also returns the response to the client user-interface. What is the role of the intermediate server here?

a. Blackboard

b. Broker

c. Controller or Model

d. Pipe

answer: b

**Layered architecture style is best suited to develop the software applications which require**  
  
a. the components to be easily replaceable   
b. information separating as a dominant factor  
c. the performance quality as a dominant factor  
d. the high security of its data contents

answer: a

**The concepts of push/pull type of pipelines are used in ...**  
a. Layered Architectural Style  
b. MVC Architectural Style  
c. Pipe-and-Filter Architectural Style  
d. Broker Architectural Style  
answer: c

**A complex portal's user-interface part interacts with a set of web-servers. These web-servers, depending on the request type, routes it to the appropriate application service which process the request. The webserver then returns the response to the user-interface. Here what is the role of the webserver?**a. blackboard  
b. pipe  
c. broker{correct}  
d. kernel  
  
answer: c

**Note: Also refer shared excel sheet and descriptive que/ans**