

7

1. What is the purpose of architectural design? [2]
2. Which are the components of architectural design? [4]
3. Which are the primary hardware components? [3]
4. Which architectural choices do we have? [3]
5. What are the benefits and limitations of client/server attributes? [8]
6. Explain the advances in Architecture Configurations [4]
7. What are the advantages of cloud computing? [6]
8. Discuss four primary types of non-functional requirements that can be important in designing the architecture. [12]

8

1. Storage design is an important activity in the design phase. Applications are of little use without data. Data must be stored and accessed efficiently which are the 4 general functions an application program is divided into? [4]
2. Which are the Four-step design approach [4]
3. Which are five types of files that differ in the way they are used to support an application. [5]
4. Databases are classified according to how they store and manipulate data. Discuss four ways in which they are classified. [4]
5. How do we optimize data access speed? [4]

9

1. list the components of user interface [3]
2. explain the Principles for User Interface Design [12]
3. discuss the process of User Interface Design [10]
4. which are the three approaches to defining user commands [3]
5. explain different kinds of messages. [10]
6. why is it important to capture data at source? [4]
7. which technologies can we use to obtain **Source Data Automation**? [5]

10

1. which are the two activities in program design? [2]
2. Explain the five steps in the transitioning from logical to physical [10]
3. Which are the three different kind of processes while Building the Structure Chart [3]
4. Which are the guidelines for designing a structure chart? [5]
5. List the Checklist for Structure Chart Quality [8]
6. Program Specification Syntax Has **four** main components that convey information that programmers will need to write the appropriate code. Which are they? [4]

11

1. **System construction** is the development of all parts of the system, including the software itself, documentation, and new operating procedures. What does Construction phase includes? [4]
2. Which are the tasks that the project manager must do to manage the programming effort? [4]
3. Which are four general stages of tests? [4]
4. Which are the two fundamentally different types of documentation? [2]
5. Which are three Types of User Documentation? [3]

1. Define transitioning. [5]
2. Explain Models for managing change. [3]
3. Define conversion and give its 3 different strategies. [5]
4. Discuss seven different types of conversion. [7]
5. Which are the three Key Factors in Selecting a Conversion Strategy [3]
6. What are the key roles for change management? **[3]**
7. Which are the three Post implementation Activities? [3]