No of Page: 1                                                **Total Marks : 75**
                                                             **Time Allowed : 2Hrs**

**PART – A**                                                 **(25 Marks)**

1. _____, _____ and _____ are some of the costs associated with SDLC
2. _____ involves studying the impact of the proposed system on the hardware and software-both existing and expected (compatibility, interoperability etc.).
3. . _____ captures the characteristics of data elements and their relationships amongst them as well as with external systems
4. _____ represents program logic using plain English statements
5. _____ is a conversion method wherein volume of transactions are gradually increased and new system is phased in
6. A well developed and thoroughly tested system would require minimum of _____
7. _____, _____ and _____ are objectives of audit trails
8. _____ is the deliverable of the design phase which is a document containing description of the activities carried out with diagrammatic representations like flow charts
9. By implementing controls, management ensures that _____ objectives are achieved and _____ events are avoided
10. Integrity and competency of personnel, segregation of duties, maker-checker concepts are examples of _____
11. _____ and _____ are two broad methods of encryption.
12. If software baselining is absent it increases the risk of _____
13. The three security/control objectives are _____, _____ and _____
14. Three steps in access control are _____, _____ and _____
15. Identifying and correcting syntax errors and diagnostic errors is called _____

**PART - B**                                                 **(50 Marks)**
**Answer any 5 Questions**

1.
   a) Briefly explain steps in traditional approach to SDLC- Explain        **(6 Marks)**
   b) Explain advantages of Prototyping approach                            **(4 Marks)**
2.
   a) Explain the term Data Dictionary                                      **(4 Marks)**
   b) Explain any four factors to be considered while designing data input- **(4 Marks)**
   c) Explain the term Stress Testing                                       **(2 Marks)**
3.
   a) Explain audit trail control. What are the objectives of audit trail   **(6 Marks)**
   b) Explain the term acceptance testing                                   **(4 Marks)**
4.
   a) Explain the impact of computers on Controls.                          **(6 Marks)**
   b) Write short notes on operational feasibility-                         **(4 Marks)**
5.
   a) Explain the role of Analyst and Database administrator                **(4 Marks)**
   b) Explain the term PKI                                                  **(4 Marks)**
   c) Explain the term check digit                                          **(2 Marks)**
6.
   a) Explain the term Preventive and Detective Controls                    **(4 Marks)**
   b) Explain Briefly packet filtering firewall                            **(4 Marks)**
   c) List broad contents of Information Security Policy                    **(2 Marks)**