1. Answer the following questions: (attempt any nine) 18

(1) Explain the term Adaptive maintenance.

(2) What are the disadvantages of systematic approach model of software development?

(3) Explain how redundancy and contradictions can be identified using decision tables.

(4) What is region of minimum cost?

(5) All the tasks performed at the time of error, is called as _____ cohesion.

(6) To develop a project at a short period time you will follow _____ model of software development. Justify.

(7) Define exciting requirements, functional requirement and non-functional requirement?

(8) State the advantages of functional independence.

(9) What is cyclomatic complexity? How can it be calculated?

(10) Define different levels of USE CASES.
Answer the following questions: (attempt any three)

(1) Explain coupling types. If two components are stamp coupled, how will you convert it to data coupling? Explain with example.

(2) What is factoring and Transform flow? Explain the steps of converting transaction flow into transform flow.

(3) What is BVA, comparison and equivalence partitioning?

(4) Discuss diagramming mistakes of DFD.

Answer following questions: (attempt any two)

(1) Explain different types of control structure testing.

(2) Explain types of condition testing.

(3) What is Orthogonal testing? When should it be used?

Do as directed:

You and your team have been asked to develop a software system for online travel and tourism system which provides all means to travel OR movie ticket booking system for a chain of multiplex with multiple screens. Prepare 2-level DFD, data dictionary and process specification of one parameter and one process respectively.