

**Time: 3 Hours****Total marks:100**

- 1) Question number 1 compulsory
- 2) Answer any four questions out of remaining
- 3) All questions carry equal marks

Q1

- a) Draw data flow diagram (DFD) till second level, depicting various processes, data flow and data repositories and ER diagram for a "food ordering system". 10
- b) Explain various fact finding techniques 10

Q2

- a) Explain the Six special system tests. Give examples 10
- b) Compare and contrast conventional testing and object oriented testing. 10

Q3

- a) Compare Spiral Model and Waterfall Model and explain when to use each 10
- b) Describe the prototype model in details 10

Q4

- a) Explain the need of Warnier Orr Diagrams and HIPO chart 10
- b) Explain the importance of Input and Output design 10

Q5

- a) Explain SRS in detail 10
- b) Explain Structure chart and its types 10

Q6

- a) What do you mean by structured walkthroughs? Elaborate on it. 10
- b) Explain the importance of ER diagram with an example 10

Q7

- Write short notes on the following(any four) 20
- a) Data dictionary
  - b) DFD logical and physical
  - c) Decision trees
  - d) RAD
  - e) Black box testing