Punjab Technical University
Master of Computer Application Examination

MCA 1st Semester SYSTEM ANALYSIS AND DESIGN 2006

Time: 3 Hours Maximum Marks: 75
Note: 1. Part A is compulsory. Answer the question in 40-60 words.
2. Attempt any 9 questions from Part-B

Part – A

1. describe the role of system analysis?
2. define the difference between technical and economic feasibility study?
3. explain about the open and closed system?
4. name the different elements of the system?
5. name the different tools required for the structured analysis ?
6. suggest some ways to detect software error in early phases?
7. what we do in feasibility study?
8. what we do in from design?
9. before implementation of a software project, what precaution we should take?
10. name the different characteristics of a system?
11. what do we do in system analysis of a software project?
12. explain the different types of the system.
13. define the difference between test plan and test data?
14. what we should in hardware selection for a software project?
15. define the difference between chaining and inverted list organization?

Part – B

1. what produced should be adopted for the selection of a software project?
2. draw the three level DFD for the working of a restaurant?
3. how we can reduce the development cost of the project?
4. explain the different information gathering tolls?
5. what we do in the initial investigation for the selection of the project?
6. explain the difference between sequential and indexed file organization?
7. explain the term data dictionary?
8. name the different component of the SRS?
9. what data is needed for the development of a software project?
10. what are the central problems in producing the SRS for a system?
11. explain the did steps for the system development life cycle?
12. what we do in system testing?