

System Analysis & Design
(CS-301, Dec-07)

Section-A

- 1). a). What are the major roles on project team?
- b). Describe two special issues that may be important to list on a system request.
- c). What are the two basic ways to estimate the size of a project?
- d). Why is it important to balance DFDs and ERDs?
- e). What kind of metadata is included in the CASE repositories for a physical DFD?
- f). Define scalable. Why is this term important to system developers?
- g). Why do we prototype the user interface design?
- h). Differentiate between an end user database and an enterprise database.
- i). What is the primary goal of system testing?
- j). Contrast the following items:- concrete class: obstruct class.

Section-B

- 2). Compare the major elements and issues of phased developed and prototyping.
- 3). What is Stakeholder analysis? Discuss three of them that would be relevant for most projects.
- 4). Explain the differences between top-down and bottom up interview approaches. When these are used?
- 5). What is the view point of a DFD and why it is important write also how it is decomposed and balanced?
- 6). Explain three principles in the design of outputs and also tell five types of outputs.

Section-C

- 7). What are the seven types of cohesion? Give one example of good cohesion & one example of bad cohesion?
- 8). (a) Compare and contrast alpha testing & beta testing.
(b) Compare and contrast and information change management strategies with political change management strategies. Which is better?
- 9). (a) How can the project approach improves the system development process?
(b) How is the use case diagram similar to the context and level 0 data flow diagram (DFDs)? How is it different?