

**SOUTH EASTERN UNIVERSITY OF SRI LANKA**

**THIRD EXAMINATION IN BACHELOR OF BUSINESS ADMINISTRATION / BACHELOR OF  
COMMERCE – 2007/2008  
SEMESTER – I, MARCH 2009**

**MIS 3102 - SYSTEM ANALYSIS AND DESIGN**

Answer **all** questions.

Time: 03 Hours

**Q1**

- 1. Who are the seven stakeholder group in Information System? Identify the role of each party in system development. (7 Marks)
  - 2. Differentiate between Information workers and Knowledge workers. (3 Marks)
  - 3. What is ethics? And how does it affect system analysis? (4 Marks)
  - 4. Briefly explain Business and Technology drivers that currently impacting Information Systems. (6 Marks)
- (Total 20 Marks)

**Q2**

- 1. Briefly explain three feasibility check points in the system life cycle. (3 Marks)
  - 2. What are the four tests for project feasibility? And how can the PIECES framework be used in operational feasibility analysis? (7 Marks)
  - 3. Explain three popular techniques to assess economic feasibility. Which one is the most preferred today? And explain why? (6 Marks)
  - 4. What are the two categories of costs? Give examples. (4 Marks)
- (Total 20 Marks)

**Q3**

1. Describe the causes of failed Information Systems and technology projects. (5Marks)
  2. Explain three model driven analysis approaches to system analysis. (9Marks)
  3. Describe several benefits of using Joint Requirements Planning (JRP) as a fact finding technique. (6 Marks)
- (Total 20 Marks)

**Q4**

1. Identify 10 fundamental principles of systems development. (10 Marks)
  2. Describe essential phases of system development. (8 Marks)
  3. List six cross life cycle activities. (2 Marks)
- (Total 20 Marks)

**Q5**

Distinguish the following.

- a) Functional & Non functional requirements.
- b) Forward & Reverse engineering.
- c) Pert & Gantt Chart.
- d) Logical & Physical design
- e) Primary keys & Candidate keys.

(Total 20 Marks)