Asian School of Management

(Affiliated to Tribhuvan University)

Samakhusi, kathmandu

**Pre –Board Examination 2070**

**Course : B.Sc. CSIT 4th semester Full Marks : 60**

**Subject : System Analysis and Design Time : 3 Hrs**

Group A

Long Answer Questions:

Attempt any two: (2x10=20)

1. What do you mean by system analysis? Explain the system development life cycle with example.

2. Draw a DFD diagram of following up to level 2.

Front office of Hotel is responsible for all room reservations, room allocations and final settlement of bills. Any company or person can reserve rooms for their future stay. They have to indicate from what date to what day they need the room.

They also have to indicate how many rooms are required. Sometimes the reservations could be cancelled or the dates or number of rooms changed. For reservation, cancellation or modification or rooms, customer receives an acknowledgement from the hotel

3. How can you transforming E-R diagram into relations? Explain with suitable example.

Group B

Short Answer Questions:

Attempt any eight: (8x5=40)

1. What are the system analyst and design tools?
2. What are the management skills needed by system analysts?
3. Design the E-R diagram of the following.
   1. Customer with draws money from his account.
   2. Student attends classes.
4. Explain the data dictionaries with example.
5. Explain the cost-benefit analysis with example.
6. What is the role of software application testing?
7. Explain the factors that influence the cost of maintenance.
8. What are the differences between Structured System and Object Oriented System?
9. Explain about class Diagram with suitable example.

BEST OF LUCK