Solved Question Paper June 2015

System Analysis And Design

1.d)What is the need of feasibility study of an information system ? Explain the different operational feasibility issues of a system. (8marks)

- Feasibility consists of activities which determines the existence of scope of developing an information system to the organization. This study should be done throughout the life cycle. Feasibility study starts from the preliminary investigation phase. At this stage, the analyst estimates the urgency of the project and estimates the development cost. The next checkpoint is problem analysis. At this stage, the analyst studies current system. S/he does it to understand the problem in a better way. It helps him/her to make better estimates of development cost, and also to find out the benefits needed from the new system.

Operational Feasibility :

Its all about the problems that may arise during operations. Two aspects related with this issue are :

- What is the probability that the solution developed may not e put to use or may not work?

- What is the inclination of the management and end users towards the solution? Though, there is very least possibility of management being averse to the solution, there is a significant probability that the end users may not be interested in using the solution due to lack of training, insight etc.

Other issues related with operational feasibility are :

Information : The system needs to provide adequately, timely, accurate and useful information. It should be able to supply all the useful and required information to all levels and categories of users.

Response time : It needs to study the response time of the system in terms of throughput. It should be fast enough to give the required output to the users.

Accuracy : A software must operate accurately. It means that it should provide value to its users. Accuracy is the degree to which the software performs its required functions and gives desired output correctly.

Security : There should be adequate security to information and data. It should be able to protect itself from fraud.

Services : The system needs to be able to provide desirable and reliable services to its users.

Efficiency : The system needs to be able to use maximum of the available resources in an efficient manner so that there are no delays in execution of jobs.