



SEMESTER III SESSION 2024 / 2025

DCA 2563 MANAGEMENT INFORMATION SYSTEM

ASSIGNMENT

ANSWER ALL THE QUESTION

MARKS: [32 M]

QUESTION 1

Don's Lumber Company

Don's Lumber Company on the Hudson River is one of the oldest retail lumberyards in New York State. It features a large selection of materials for flooring, decks, moldings, windows, siding, and roofing. The prices of lumber and other building materials are constantly changing. When a customer enquires about the price on pre-finished wood flooring, sales representatives consult a manual price sheet and then call the supplier for the most recent price. The supplier in turn uses a manual price sheet, which has been updated each day. Often the supplier must call back Don's sales reps because the company does not have the newest pricing information immediately on hand.

(a) Assess the business impact of the current situation on the company. **[8M]**

(b) How the current processes can be improved using information technology? What data should be captured by the information systems? **[8M]**

QUESTION 2

New computer technologies for gathering, storing, manipulating, and communicating data are revolutionizing the use and spread of information. Along the way, they are also creating ethical dilemmas. The speed and efficiency of electronic information systems, which include local and global networks, databases, and programs for processing information, force people to confront entirely new rights and responsibilities in their use of information and to reconsider standards of conduct shaped

before the advent of computers. Information is a source of power and, increasingly, the key to prosperity among those with access to it. Consequently, developments in information systems also involve social and political relationships, and so make ethical considerations in how information is used all the more important. Electronic systems now reach into all levels of government, into the workplace, and into private lives to such an extent that even people without access to these systems are affected in significant ways by them. New ethical and legal decisions are necessary to balance the needs and rights of everyone.

As in other new technological arenas, legal decisions lag behind technical developments. Ethics fill the gap as people negotiate how use of electronic information should proceed. The following notes define the broad ethical issues now being negotiated. Since laws deciding some aspects of these issues have been made, these notes should be read in conjunction with Legal Issues in Electronic Information Systems. Ethics include moral choices made by individuals in relation to the rest of the community, standards of acceptable behavior, and rules governing members of a profession. The broad issues relating to electronic information systems include control of and access to information, privacy and misuse of data, and international considerations. All of these extend to electronic networks, electronic databases, and, more specifically, to geographic information systems. Specific problems within each of the three areas, however, require slightly different kinds of ethical decisions. Networks, electronic information systems in general, and geographic information systems in particular are discussed separately below.

Questions:

- a) What are various ethical dilemmas created due to new technology? **[8M]**
- b) State the reasons of why ethics are important **[8M]**

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