

THE OPEN UNIVERSITY OF SRI LANKA
B.Sc DEGREE PROGRAMME: LEVEL 03
OPEN BOOK TEST: 2010
CSU 1179: INTRODUCTION TO INFORMATION SYSTEMS



DURATION: ONE AND HALF HOURS (1 ½ HOURS)

Date: 12th March, 2010

Time: 4.00 pm – 5.30 pm

Answer ALL questions.

Q1.

- I. What is a *system*? Briefly explain in your own words.
- II. Write down the *Yourdon classification of systems*. Compare and contrast those categories.
- III. By using the following table, describe what are *Data*, *Information* and *Knowledge*.

Pet	Pet's name	Age	Sex
Cat	Tommy	1	Male
Dog	Buster	2	Male
Cat	Honey	3	Female
Dog	Rex	1	Male

Q2.

- I. Discuss the differences between *Real time systems* and *Online systems*.
- II. Compare and contrast *Database Systems* with *Expert Systems*.
- III. Classify the following systems as Batch processing systems, Real time systems or On-line systems, giving reasons for each choice.
 - a) Airline controlling system
 - b) Satellite guidance system
 - c) Mobile telephone billing system
 - d) Online chatting system

Q3.

- I. What is a *DBMS*? How does it support to create databases?
- II. Compare and contrast the *hierarchical*, *network* and *relational* databases.
- III. Explain why, database systems can be considered as an improvement to the file processing systems.

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