

TASK TWO

TRANSACTIONAL PROCESSING SYSTEMS

IN CLASS TASK

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ASSESSMENT
OUTLINE

<u>KLA:</u>	<u>Subject:</u>	<u>Task Description:</u>	<u>Due Date:</u>
Technological & Applied Studies	Information Processes & Technology - HSC	Transaction Processing Systems - Topic Test	13th May 2014 (Week 3: Term 2)

Rubric

In this task you will be assessed on:

- Your ability explain the purpose and function of a transaction processing system
- Your understanding of the nature and function of an IPS
- Your understanding of the effects of TPS on society
- Your use of appropriate terminology when discussing TPS
- Your identification of the use of TPS to meet specific needs

Task Outline

The task will consist of 2 short essays, one will deal with the technology and techniques underlying Transaction Processing Systems, the second will focus on social or ethical issues relating to TPS. Each will be worth 10 marks.

You will be given the essay questions on the due date.

Time allowance will be 2 periods (double lesson)

Exam conditions will apply.

Essay 1:

- You will need to be able to describe the function of a Real Time TPS
- Provide an example of a Real Time TPS
- Identify the data which is processed by the TPS
- Discuss why real time processing is appropriate for that particular system
- Explains how data is processed and backed up within the system.
- Briefly compare with a batch system

Essay 2:

- You will need to be able to construct a data flow diagram for a system showing all external entities, data flows, processes and data stores
- Describe the collecting and storing/ retrieving information processes of this system
- Predict a future application of the technology used in this system.

Essay structure:

Questions should be submitted in essay form/ extended response form using correct and appropriate terminology



Specific Outcomes

- H1.1Applies and explains an understanding of the nature and function of information technologies to a specific practical situation
- H1.2Explains and justifies the way in which information systems relate to information processes in a specific context
- H2.1Analyses and describes a system in terms of the information processes involved
- H2.2Develops and explains solutions for an identified need which address all of the information processes
- H3.1Evaluates and discusses the effect of information systems on the individual, society and the environment
- H3.2Demonstrates and explains ethical practice in the use of information systems, technologies and processes
- H4.1Proposes and justifies ways in which information systems will meet emerging needs
- H5.2Assesses the ethical implications of selecting and using specific resources and tools

