

Sample Midterm Exam

(Professor M. Louadi)
This exam is four (04) pages long

First name: Last name:

Wrong answer= -2 - No answer= -1 Good answer= -0

True/False Questions: For each question, circle the appropriate option, T (for True) or F (for False)

	T	F
The words shareware and freeware are synonymous		X
It is in the model of Anthony that the stage of contagion comes after the stage of initiation		X
Unstructured decisions are programmable and therefore computerized		X
Supercomputers disappeared a long time ago		X
A bit is a series of eight consecutive bytes		X
In the motherboard of a computer, there exist two types of buses: data buses and address buses	X	
MYCIN is one of the first expert systems	X	
In fact, back-office organizational activities are also called transactional activities		X
Effectiveness is to achieve the goal at the least cost		X
TPS are systems that are concerned with both the back-office and the front-office organizational activities	X	
Simon's model is composed of at least four stages	X	
An unstructured decision is essentially a repetitive decision		X
An information is accurate when it is reliable		X
The words "computerization" and "automation" are synonymous		X
In a DSS, the number of the interactions between the human and the machine increases as the decision to be made is less structured	X	
There is an exchange of information in any communication		X
Reliable information is the information that is available when one needs it		X
Any information system must absolutely have a computer component		X
Reliable information is information which reflects a reality	X	
The lowest level in the pyramid of Anthony does not make any unstructured decisions		X

At the operational and transactional level, the need for quantitative information is more important than at the strategic planning level	X	
In the case of DSS it is the system that makes the final decision		X
Expert systems are one of the most practical applications of artificial intelligence	X	
The expressions "open source" and "shareware" are synonymous		X
The same information system can support the cost leadership strategy and the focus (niche) strategy		X
A DSS is suitable for both semi-structured and unstructured decisions	X	
To conclude that all the oranges are yellow because we observed 1.000 oranges were yellow is an inductive reasoning	X	
A human activity (language for example) activates 37 voxels, therefore two activities carried out simultaneously activate twice as many: 74 voxels		X
The short-term memory (STM) can store only 7 ± 2 symbols or 5 or 6 colors at the same time	X	
The time necessary to store information in the long-term memory varies from 5 to 10 seconds per symbol	X	
A DVD has the same physical size as a CD but not same capacity	X	
According to a well-known law, computers are less and less expensive	X	
TPS are systems that companies cannot afford not to have	X	
An EIS depends entirely on key success factors	X	
It is in 1950s that the computer started to be used by business organizations	X	

Open-ended Questions: Answer the following questions as briefly as possible.

<p>Give three examples of application software:</p> <p>1. Word</p> <p>2. Excel</p> <p>3. PowerPoint.....</p>
<p>Which are the three types of computers seen in class?</p> <p>1. Supercomputers</p> <p>2. Mainframes / Minicomputers</p> <p>3. Microcomputers</p>
<p>Name, without describing them, the six stages of the model of Nolan:</p> <p>1. Initiation</p> <p>2. Contagion</p> <p>3. Control</p> <p>4. Integration.....</p> <p>5. Administration</p> <p>6. Maturity.....</p>

What does the following symbol represent?



The eye of Horus

Multiple-choice Questions: For each question, check all the options that apply – both wrong and missing answers yield a -1

<p>Communication theory was proposed by</p>	<p><input type="checkbox"/> ■ Claude Shannon <input type="checkbox"/> Robert Solow <input type="checkbox"/> Michael Porter <input type="checkbox"/> Russell Ackoff</p>
<p>The first electronic computer was built</p>	<p><input type="checkbox"/> between 1929 and 1932 <input type="checkbox"/> between 1932 and 1936 <input type="checkbox"/> ■ between 1936 and 1939 <input type="checkbox"/> between 1939 and 1945 <input type="checkbox"/> between 1960 and 1963 <input type="checkbox"/> between 1970 and 1975</p>
<p>Identify, among the following the items that refer to reasoning modes</p>	<p><input type="checkbox"/> By reflection <input type="checkbox"/> By transition <input type="checkbox"/> ■ By Induction <input type="checkbox"/> ■ By analogy <input type="checkbox"/> ■ By deduction</p>
<p>Specifying the wage rate for a new employee according to a preset grid is an example of a ...</p>	<p><input type="checkbox"/> ■ structured decision <input type="checkbox"/> unstructured decision <input type="checkbox"/> semi-structured decision <input type="checkbox"/> quasi-structured decision</p>
<p>The graph shown below is an example of an output coming from a</p>	<p><input type="checkbox"/> TSP <input type="checkbox"/> Expert system <input type="checkbox"/> SIS <input type="checkbox"/> EIS <input type="checkbox"/> DSS <input type="checkbox"/> ■ MRS</p>