

Course Title: Foundations of Information Systems
Course Code: IS201
Exam Date: 13/1/2022

Allowed time: 2 hours
Total Marks: 60 Marks

Final Exam

The Exam consists of 3 Questions in 2 Pages

Answer all the following questions:

Question (1)

[25 Marks]

A. Fill in the missing parts for the following statements:

1. The awareness and understanding of a set of information and the ways that information can be made useful to support a specific task or reach a decision referred to knowledge.
2. A system that gives a computer the ability to make suggestions and function like an expert in a particular field referred to expert system.
3. virtual reality refers to the simulation of a real or imagined environment that can be experienced visually in three dimensions.
4. The three primary responsibilities in information systems are operation, support and system development.
5. A group of programs that manipulate the database and provide an interface between the database and the user of the database and other application programs is defined as DBMS.
6. DML is a specific language, provided with a DBMS, which allows users to access and modify the data, to make queries, and to generate reports.

DML: means Data Manipulation Language

- B. Explain what is meant by data and information as well as the term computer based information system (CBIS) and its different components.

Question (2)

[15 Marks]

- A. Explain the hierarchy of data showing the relation between each level. page 43
- B. List five characteristics for valuable information. page 5

Question (3)

[20 Marks]

- A. Modern ERP software is based on open, flexible architecture that can seriously impact your business in a number of key areas. Discuss

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B. Match the corresponding two columns in the following table:

1. Management of raw materials, inbound logistics, and warehouse and storage facilities. H	A. Predictive analysis 7
2. Helps company manage all aspects of customer encounters, including marketing, advertisement, sales, service, and maintaining loyalty. F	B. Systems design 8
3. One-of-a-kind software designed for a specific application and owned by the company, organization, or person that uses it. K	C. E-business 10
4. Organized collection of people, procedures, software, databases, and devices used to record completed business transactions. G	D. Process 9
5. Gathering the right information in a timely manner and usable form and analyzing it to have a positive impact on business. BI	E. AI 6
6. A field in which the computer system takes on the characteristics of human intelligence. E	F. CRM 2
7. Combines historical data with assumptions about future conditions. A	G. TPS 4
8. Determines how the new system will work to meet the business needs defined during systems analysis. B	H. Downstream management
9. A set of logically related tasks performed to achieve a defined outcome. D	I. Systems implementation
10. Uses information systems and the Internet to perform all business-related tasks and functions. C	J. Upstream management 1
	K. Proprietary software 3
	L. BI Business intelligence 5
	M. Off-the-shelf software

Best Wishes ☺
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