

MIDTERM EXAMINATION
Spring 2010
CS507- Information Systems



_____ Marks: 40

Question No: 1 (Marks: 1)

A hierarchical organization is structured in a way such that every entity in the organization, except one, is subordinate to a single other entity.

► True

► False

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Question No: 2 (Marks: 1)

Systems have collection of predefined -----related to each other in a sequenced logical manner in order to collectively achieve the desired results.

► Procedures

► Sequences

► Policies

Systems have collection of predefined procedures related to each other in a sequenced logical manner in order to collectively achieve the desired results.

Question No: 3 (Marks: 1)

The results given by the system after the process has been performed on the data being input to the system called as-----.

► **Output**

► Input

► Processing

Output elements: The results given by the system after the process has been performed on the data being input to the system.

Question No: 4 (Marks: 1)

Which type of decision is one for which there may be several "right" answers and there is no precise way to get a right answer?

► Structured

► Unstructured

► Semi-Structured

A non structured decision is one for which there may be several "right" answers, and there is no precise way to get a right answer. Most decisions have structured and non structured elements.

Question No: 5 (M a r k s: 1)

Which of the following level is formulation of new sales products, and identifying new sales opportunities?

- ▶ Operational
- ▶ Managerial
- ▶ **Strategic**

Strategic Level: Formulation of new sales products, and identifying new sales opportunities.

Question No: 6 (M a r k s: 1)

Every transaction that an organization undertakes has a financial impact, to be recorded and reported by the accounts & finance department.

▶ True

- ▶ False

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Question No: 7 (M a r k s: 1)

The procedures to follow when decision is needed can be specified in advance.

▶ True

- ▶ False

Structured decisions: operational-procedures to follow when decision is needed can be specified in advance.

Question No: 8 (M a r k s: 1)

Companies are investing in data-driven decision support application frameworks to help them respond to

- Changing market conditions
- Customer needs

▶ TRUE

- ▶ FALSE

Question No: 9 (M a r k s: 1)

Information that is outdated, inaccurate, or hard to understand has much less value

▶ TRUE

- ▶ FALSE

Question No: 10 (M a r k s: 1)

In _____ final product is intangible

- ▶ **Service sector**

► Manufacturing Sector
www.vchowk.com

► Trading sector

Service Sector: Final product is intangible, so information is critical at various steps, e.g. preparation, delivery and customer.

Question No: 11 (M a r k s: 1)

_____ is a set of defined set of instructions aimed to achieve goals

► **Procedure**

► System

► Organization

A procedural text provides information about a set of instructions that must be followed to achieve a specific goal.

Question No: 12 (M a r k s: 1)

Closed System depends on _____ and data.

► **Internal resources**

► External resources

► Procedures.

When we refer to a closed system we talk of a system that is dependent on internal resources and data for decision making rather than external environment.

Question No: 13 (M a r k s: 1)

_____ is the set of interconnected structural elements that provide the framework.

► **Infrastructure**

► System

► Organization

Infrastructure, generally, is the set of interconnected structural elements that provide the framework for supporting the entire structure.

Question No: 14 (M a r k s: 1)

Incremental model combines the elements of the RAID model with the philosophy of prototyping.

► True

► **False**

Incremental Model: This model combines the elements of the waterfall model with the philosophy of prototyping.

Question No: 15 (M a r k s: 1) www.vchowk.com

System analysis creates the understanding and lays out the necessary relationships that will assist in defining a solution to the problem or the design of the proposed software that will meet the user needs.

- ▶ True
- ▶ False

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Question No: 16 (M a r k s: 1) www.vchowk.com

Which of the following model is a series of short waterfall cycles, each producing an early prototype representing a part of the entire project?

- ▶ **Spiral**
- ▶ Iterative
- ▶ WaterFall
- ▶ Incremental

SPIRAL is an iterative approach to system development. The spiral lifecycle model is a combination of the classic waterfall model and aspects of risk analysis.

Question No: 17 (M a r k s: 1)

There are five phases of the decision making process, first one is intelligence.

- ▶ True
- ▶ False

Five Phases of decision-making process are:

- Intelligence – searching for conditions in the environment that call for decisions
- Design – inventing, developing, and analyzing possible courses of action
- Choice – selecting a course of action from those available
- Implementation – implementing the selected course of action
- Monitoring – checking the consequences of the decision made after implementation

Question No: 18 (M a r k s: 1)

_____ information is just like feedback of organization image in public.

- ▶ Informal
- ▶ **External**
- ▶ Formal

Question No: 19 (M a r k s: 1)

_____ sources materials in which the information from secondary sources has been digested.

- ▶ Primary
- ▶ **Tertiary**
- ▶ Secondary

Definitions of Tertiary Sources:

Materials in which the information from secondary sources has been "digested" .

Question No: 20 (M a r k s: 1)

In which of the following category information is presented in its original form, neither interpreted nor condensed nor evaluated by other writers ?

- ▶ **Primary Information**
- ▶ Tertiary Information
- ▶ Secondary Information
- ▶ All of above

Definitions of primary sources:

They present information in its original form, neither interpreted nor condensed nor evaluated by other writers.

Question No: 21 (M a r k s: 2)

What do we mean by cognitive process?

Answer:

Cognitive process is the mental process of knowing, including aspects such as awareness, perception, reasoning and judgment.

Question No: 22 (M a r k s: 2)

Identify the basic function and responsibilities of a system analyst.

Answer: www.vchawk.com

www.vchawk.com

A person who has a detailed knowledge of computers and system design and his basic function is to analyze the whole system and find out the problems it there is.

Question No: 23 (M a r k s: 3)

What do you understand by ERD? Define briefly

Answer: www.vchawk.com

Entity Relationship Diagram (ERD) is a tool used in system design.

ERD as shown in the above indicates simple relationships. These relationships can be read as.

- one department has one supervisor
- A department may have more than one employees

Or

- An employee may be in more than one departments

- An employee may not be working on any project but a project must have at least one employee working on it.

Question No: 24 (M a r k s: 3)

List any three normative models of Choice Phase of decision making process.

Answer:

The Choice Phase:

A course of action is selected out of the available alternatives as devised in the design phase. Typical Activities include:

- Get information
- Final evaluation
- Sensitivity analysis

Question No: 25 (M a r k s: 5)

What do you understand by system design and identify the steps it includes.

Answer:

It can be explained and presented in narrative form.

Question No: 26 (M a r k s: 5)

DSS are used to take help in Semi structured decisions. What does DSS use as support in order to facilitate Semi Structured Decision making?
