

CS507 MID 2010 Solved By vuZs Team(Aniqa Malik) with ref 1

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Question No: 1 (Marks: 1) - Please choose one
Medium size organizations usually have simple management structure than those of small organizations.

True

False

Ref:

Page # 7

Small organizations usually have simple management structure.

Question No: 2 (Marks: 1) - Please choose one
Information should be tailored in accordance with the organization's culture and structure.

True

False

Ref:

Pg# 13

Information should be tailored in accordance with the organization's culture and structure.

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Question No: 3 (Marks: 1) - Please choose one
----- needs data preparation which may involve filtering data and data transformations, selecting subsets of records.

Model Building

Deployment

Exploration

Ref:

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Exploration – includes data preparation which may involve filtering data and data transformations, selecting subsets of records.

Question No: 4 (Marks: 1) - Please choose one
Decision making is the cognitive process of selecting a course of action from among ----- alternatives

Multiple

Double

Triple

Ref:

Pg# 59

Decision making is the cognitive process of selecting a course of action from among multiple alternatives.

Question No: 5 (Marks: 1) - Please choose one

The study of business problem domain used to recommend improvements and specify the business Requirements for the solution is called:

System Analysis

System Design

Risk Management

Risk Analysis

Ref:

Pg# 92

System analysis can be defined simply as: "The study of business problem domain to recommend improvements and specify the business requirements for the solution."

Question No: 6 (Marks: 1) - Please choose one

In which of the following Models it is Difficult to convince some customers that the evolutionary approach is controllable

Spiral

WaterFall

Incremental

Iterative

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Ref:

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Weaknesses:

- Difficult to convince some customers that the evolutionary approach is controllable
- Needs considerable risk assessment
- If a risk is not discovered, problems will surely occur

Question No: 7 (Marks: 1) - Please choose one

Partial systems are successively built to produce a final total system in the following

model:

WaterFall

RAID

Iterative Model

Incremental Model

Ref:

Pg# 85

Characteristics of the Incremental Model

- The system development is broken into many mini development projects
- Partial systems are successively built to produce a final total system.
- Highest priority requirements tackled early on.

- Once an incremented portion is developed, requirements for that increment are frozen.

Question No: 8 (Marks: 1) - Please choose one

Decision making is the cognitive process of selecting a course of action from among multiple alternatives

True

False

Ref:

Pg# 59

Decision making is the cognitive process of selecting a course of action from among multiple alternatives.

Question No: 9 (Marks: 1) - Please choose one

Using a decision support system involves an interactive analytical modeling process

True

False

Using Decision Support Systems

• Using a decision support system involves an interactive analytical modeling process

– Decision makers are not demanding pre-specified information

– They are exploring possible alternatives

• What-If Analysis

– Observing how changes to selected variables affect other variables

Question No: 10 (Marks: 1) - Please choose one

Source of information is generally categorized in primary, secondary and _____

Proximity

Initially

Tertiary

Ref:

Pg# 1

Sources of information are generally categorized as primary, secondary or tertiary depending on their originality and their proximity to the source or origin.

Question No: 11 (Marks: 1) - Please choose one

Commentaries are the example of _____ sources.

Primary

Tertiary

Secondary

Ref:

Pg# 3

Some examples of secondary sources:

1. bibliographies (may also be tertiary)
2. biographical works
3. commentaries
4. dictionaries and encyclopedias (may also be tertiary)
5. dissertations or theses (more usually primary)
6. handbooks and data compilations (may also be tertiary)
7. history

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Question No: 12 (Marks: 1) - Please choose one

Board of Directors are elected from _____

Employees

Customers

Share holders

Question No: 13 (Marks: 1) - Please choose one

_____ is a group of elements that are integrated with common purpose of objective.

Procedure

System

Firm

Ref:

Pg# 20

A system is a group of elements that are integrated with the common purpose of achieving an objective.

Question No: 14 (Marks: 1) - Please choose one

Word Processing is an example of the following system:

Office automation system

Decision support system

Word processing

Ref:

Pg # 33

Office Automation Systems

Office automation system includes formal and informal electronic systems primarily concerned with the communication of information to and from persons both inside and outside the firm. It supports data workers in an organization.

For Instance

Word processing

Desktop publishing

Imaging & Web publishing

Electronic calendars – manager's appt. calendars

Email

Audio & video conferencing – establishing communication between geographically dispersed persons.

Question No: 15 (Marks: 1) – Please choose one
_____ is known as father of warehouse.

Stephen hawking

Bill gates

Bill Inmon

Ref:

pg#33

Decision Support Systems was defined by Bill Inmon, father of data warehouse.

Question No: 16 (Marks: 1) – Please choose one

The Iterative model emphasizes the need to go back and reiterate earlier steps a number of times as the project progresses.

True

False

The spiral model emphasizes the need to go back and reiterate earlier steps a number of times as the project progresses

Question No: 17 (Marks: 1)

Environment is a collection of different elements. List them.

Page 24

Elements of Environment

It is a collective reference made to the following factors

- Legal
- Ethics
- Economic
- Social
- Technological

Question No: 18 (Marks: 1)

Enlist the categories of the Support system

Page 43

Support systems can be classified into two categories

- Office automation systems
- Decision support systems

Question No: 19 (Marks: 2)

Identify any two reasons to use Incremental Models.

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Incremental Models

In incremental models, software is built not written. Software is constructed step by step in the same way a

building is constructed. The products is designed, implemented, integrated and tested as a series of

incremental builds, where a build consists of code pieces from various modules interacting together to

provide a specific functional capability and testable as a whole.

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Incremental Model

The incremental model is a method of software/ Information System development where the model is

designed, implemented and tested incrementally until the product is finished. It involves both development

and maintenance. This model combines the elements of the waterfall model with the philosophy of prototyping.

Question No: 20 (Marks: 3)

Define CAD?

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Computer Aided Design (CAD)

“It is a system that enables drawings to be constructed on a computer screen and subsequently stored,

manipulated and updated electronically.”

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Question No: 21 (Marks: 5)

Discuss the attributes on which Organizational Information Requirements depends

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Organizations have various attributes which distinguish them from each other. No two organizations are

similar in all respects. There have to have certain distinctive lines keeping them unique from each other.

Information requirements keep varying in accordance with

- Size of organization
- Its structure
- The Culture it follows
- Decision Making Structures
- Interested parties both internal and external

An organization should consider the above mentioned requirements while devising a system which tailors

for specific information needs.

NOTE : Any ONE CAN ADD MORE DETAIL IN THAT QUESTION FROM THE LECTURE NO # 3 AND PAGE NO # 17

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Question No: 22 (Marks: 10)

What are the components of the Expert System and how they are different from the neural network?

Components of an Expert System

There are four main components of Expert systems User Interface: to enable the manager to enter instructions and information into an expert system to

receive information from it.

- Knowledge Base: it is the database of the expert system. It contains rules to express the logic of the

problem.

- Inference engine: it is the database management system of the expert system. It performs reasoning by

using the contents of the knowledge base.

- Development engine – it is used to create an expert system.

What is the Neural Network ?

Neural Network

Hardware or software that attempt to emulate the processing patterns of the biological brain. It is a device,

modeled after the human brain, in which several interconnected elements process information

simultaneously, adapting and learning from past patterns.

The Difference of **Neural Network and Expert System**

Neural Network vs. Expert System

Expert systems seek to model a human expert's way of solving problems. They are highly specific to seeking

solutions. Neural networks do not model human intelligence. They seek to put intelligence into the

hardware in the form of generalized capability to learn.