System Planning Test

Directions: Answer 10 out of 12 questions.

Introduction to Systems

1. Name a system and describe how it applies the three stages of a system.

   Answer will vary

   Input – Processing – Output

Systems Planning

1.1.1 Identify the context for which a new system is planned

2. What are some of the things that must be considered when planning a new system?

   Info to be input

   Info to be produced or output

   Scope and limitations of system

   Needs, limitations, user roles, cost, underlying technologies, building infrastructure

1.1.2 Describe the need for change management

3. Why is change management an integral part of system development?

   Accomplishes change in the most efficient manner while minimizing impact on organization

   Provides training and support

   Provides a consistent approach to change

   Ensures proper planning, design, and testing

   Lowers the total cost of IT Services

4. Describe some of the issues system designers must consider when dealing with legacy systems?

    Will software run on new hardware?

    Data format compatibility

    Can legacy system use new technologies?

5. More and more companies are turning to cloud computing for their computer processing needs. What are some of the advantages of this type of system implementation? What are some of the disadvantages?

Advantages	Disadvantages
Save on hardware and software costs	Rely on broadband connect
Fewer employees needed to support IT	Slower access
Easy to deploy	Service outages
24/7 support	Security and privacy
Access from virtually anywhere	Possible lack of flexibility
	Platform dependencies

6. List one benefit and one drawback for each of the four system installation methods.

Direct Change Over	Parallel	Phased	PIlot
Fast deployment	Lowest risk	Lower cost and able to isolate errors	Cost effective Isolate errors, able to train users
Difficult to revert back to old system	Higher cost of running to systems	Long implementation time	Long implementation time

1.1.6 Discuss problems that may arise as a part of data migration

7. Identify two common data migration problems.

   Incomplete Data – data can be missing or partially missing
   Duplicate Data – data is the same on both systems, difficult to narrow down
   Data Non-conformity – data is structure differently in database
   Inconsistent and Inaccurate Data

1.1.7 Suggest various types of testing.

8. What is the purpose of system testing?

   To verify that the system elements have been properly integrated and performed as expected.

User Focus

1.1.9 Evaluate different methods of providing user documentation

9. Which type of user documentation do you think is the most effective and why? Which one is the least effective and why?

   User Guides

   Help Files

   Online support

   Online tutorials

   FAQ

   Forums

   Trouble shooting guides

   Quick Start guides

10. Which type of training method do you think is the most effective and why? Which one is the least effective and why?

    Web-based training
    Web conferencing
    Self-study (ref material)

System Backup

11. Outline some of the consequences of data loss in a school's computer system.

    Student data loss – attendance, grades, personal info

    Teacher data loss – assignments, tests, etc.

    School data loss – Sped, lep, 504 data

    School cannot function

Software Deployment

12. Describe strategies for managing releases and updates.

    Automatic updates

    Service packs

    Website for manual downloads

    Notify client when updates are available