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UNIVERSITY OF PROFESSIONAL STUDIES, ACCRA
Scholarship with Professionalism



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COURSE: DIPLOMA IN INFORMATION TECHNOLOGY MANAGEMENT

COURSE: DATABASE MANAGEMENT

EXERCISE 2 ANSWERS

- 1) _____ is a tool even non-programmers can use to access information from a database.
A) ODBC B) **Structured query language** C) ASP D) Data manipulation query language
- 2) Which of the following is NOT an advantage of database systems?
A) **Redundant data** B) Program-data independence C) Better data quality D) Reduced program maintenance
- 3) The most common source of database failures in organizations is:
A) lack of planning. B) inadequate budget. C) inadequate hardware. D) **failure to implement a strong database administration function.**
- 4) A rule that CANNOT be violated by database users is called a:
A) password. B) **constraint.** C) program. D) view.
- 5) In a file processing environment, descriptions for data and the logic for accessing the data are built into:
A) **application programs.** B) database descriptors. C) fields. D) records.
- 6) Databases may be more expensive to maintain than files because of:
A) **the need for specialized personnel.** B) the complexity of the database environment. C) backup and recovery needs. D) all of the above.
- 7) Which of the following is NOT a cost and/or risk of the database approach?
A) Specialized personnel B) Cost of conversion C) **Improved responsiveness** D) Organizational conflict
- 8) The need for consensus on data definitions is an example of which type of risk in the database environment?
A) Specialized personnel needs B) **Organizational conflict** C) Conversion costs D) Legacy systems

- 9) A knowledge base of information on facts about an enterprise is called a(n):
A) enterprise information system. B) **repository**. C) systems information unit. D) database process.
- 10) Which of the following is software used to create, maintain, and provide controlled access to databases?
A) Network operating system B) User view C) **Database management system (DBMS)**
D) Attribute
- 11) A centralized knowledge base of all data definitions, data relationships, screen and report formats, and other system components is called a(n):
A) index. B) data warehouse. C) **repository**. D) database management system.
- 12) CASE is a class of tools that:
A) **assists the database administrator in maintaining a database**. B) provides guidelines for the physical design of a database. C) provides management reporting tools. D) automates the design of databases and application programs.
- 13) Languages, menus, and other facilities by which users interact with the database are collectively called a(n): A) client. B) **user interface**. C) icon. D) development environment.
- 14) Database development begins with _____, which establishes the range and general contents of organizational databases. A) database design B) cross-functional analysis C) departmental data modeling D) **enterprise data modeling**
- 15) The traditional methodology used to develop, maintain and replace information systems is called the: A) Enterprise Resource Model. B) **Systems Development Life Cycle**. C) Unified Model. D) Systems Deployment Life Cycle.
- 16) The SDLC phase in which every data attribute is defined, every category of data is listed and every business relationship between data entities is defined is called the _____ phase.
A) planning B) design C) **analysis** D) implementation
- 17) The SDLC phase in which database processing programs are created is the _____ phase.
A) planning B) design C) analysis D) **implementation**
- 18) The SDLC phase in which the detailed conceptual data model is created is the _____ phase. A) planning B) **design** C) analysis D) implementation
- 19) Organizing the database in computer disk storage is done in the _____ phase.
A) **design** B) maintenance C) analysis D) implementation
- 20) An iterative methodology that rapidly repeats the analysis, design, and implementation phases of the SDLC is called:
A) CASE. B) CAD. C) **RAD**. D) MST.