

Basic IT Revision

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- (1) **Which of the following are types of management software?**
- (a) systems software
 - (b) operating software
 - (c) management decision making software
 - (d) application software
 - (e) cyberspace software
- (2) **Which language is the hardest for humans to write and understand**
- (a) machine code (Binary)
 - (b) assembly language
 - (c) COBOL
 - (d) BASIC
 - (e) PASCAL
- (3) **Which of the following has limited facilities for mathematical notation but has excellent facilities for character data processing and business use?**
- (a) FORTRAN
 - (b) COBOL
 - (c) PASCAL
 - (d) ADA
 - (e) VORGON
- (4) **What is the essence of object-oriented programming?**
- (a) versatility
 - (b) objectivity
 - (c) inheritance
 - (d) all of the above
 - (e) removing the human from computer programming
- (5) **The basic data storage hierarchy consists of (in order from the smallest upwards):**
- (a) byte, bit, record, file, field and database
 - (b) byte, bit, field, record, database, file
 - (c) bit, byte, field, record, file, database
 - (d) bit, byte, field, file, record, database
 - (e) data, information, knowledge, wisdom
- (6) **A file in database terms is:**
- (a) the field which uniquely identifies a record
 - (b) a collection of related records
 - (c) all the files of an organisation
 - (d) a character of information
 - (e) a collection of meaningful information

- (7) **An example of a field is**
- (a) alphabetic character
 - (b) employees name in a payroll system
 - (c) freight rate table
 - (d) backup files
 - (e) none of the above
- (8) **The link between the logical view and the physical view of data is the:**
- (a) application program
 - (b) DBMS
 - (c) database
 - (d) programming
 - (e) Data Flow Diagrams
- (9) **Which database structure arranges data in some natural hierarchy?**
- (a) tree
 - (b) tabular
 - (c) relational
 - (d) network
 - (e) sorted
- (10) **The logical data structure with a one to many relationship is the:**
- (a) tree structure
 - (b) network structure
 - (c) tabular structure
 - (d) none of the above
 - (e) all of the above
- (11) **The database administrator is, in effect, the co-ordinator between the _____ and the _____**
- (a) DBMS; database
 - (b) application programs, users
 - (c) database; users
 - (d) application programs; database
 - (e) none of the above
- (12) **Due to its conceptual simplicity and powerful data manipulation capabilities, the use of this type of database is increasing in popularity.**
- (a) network structure
 - (b) tree structure
 - (c) graphical structure
 - (d) relational structure
 - (e) a big one

(13) The most widely used application on personal computers today is?

- (a) databases
- (b) electronic spreadsheets
- (c) word processing
- (d) graphics
- (e) none of the above

(14) The development of Computer Programming Languages aim to

- 1. move programming to the 'end user'
- 2. automate the process of programming as much as possible
- 3. be reliable
- 4. be easy maintained
- 5. be portable
- 6. be transferable with other computers

- (a) 1, 2, 3, 5, and 6
- (b) 2, 3, 4, 5, and 6
- (c) 1, 2, 4, 5, and 6
- (d) 3, 4, and 5
- (e) 1, 2, 3, 4, 5, and 6

(15) Which one of the following is NOT a 3rd Generation Computing Language?

- (a) ASSEMBLER
- (b) FORTRAN
- (c) COBOL
- (d) BASIC
- (e) ADA

(16) If we were to add these two numbers together $5 + 7$ we would get 12. How would a computer show the number 12 in binary code?

- (a) 101
- (b) 111
- (c) 1100
- (d) 1110
- (e) 0101

(17) Which of the following is an example of a network topology?

- (a) The Chain
- (b) The Plug
- (c) The Ring
- (d) The Slot
- (e) The Ring Pull

(18) Which is the correct definition of the Open Systems Interconnection Seven Layer Reference Model

- (a) Data Link Layer, Transport Layer, Physical Layer, Application Layer, Session Layer, Presentation Layer, Network Layer
- (b) Transport Layer, Network Layer, Data Link Layer, Presentation Layer, Application Layer, Physical Layer, Session Layer
- (c) Physical Layer, Data Link Layer, Network Layer, Transport Layer, Session Layer, Presentation Layer, Application Layer
- (d) Presentation Layer, Transport Layer, Physical Layer, Application Layer, Session Layer, Network Layer, Data Link Layer
- (e) Physical Layer, Data Link Layer, Network Layer, Transport Layer, Presentation Layer, Session Layer, Application Layer

(19) Which of the following is a characteristic of a Local Area Network

- (a) Computers are geographically dispersed
- (b) Usually connected together by satellite link
- (c) Allows the sharing of data with other organisations
- (d) Must confirm to industry standards
- (e) Does not have to confirm to industry standards

(20) The Hybrid Network is the best network (e.g.: Ethernet) to have for every organisations.

Is this statement:

- (a) True
- (b) False
- (c) Don't Know

(21) A database is an organised collection of data

Is this statement True or False

- (a) True
- (b) False

(22) A Database Management System has the following characteristics?

- (a) Aids the user to create, store, change, sort and retrieve data
- (b) Aids the user to protect data only
- (c) Aids the user when trying to determine what databases to buy
- (d) Aids the user to store, change and retrieve data only
- (e) Aids the user to retrieve and manipulate data only

(23) What is not a function of a Database administrator

- (a) resolution of any interdepartmental conflict
- (b) design of the logical models (ERD's & DFD's)
- (c) makes on his own the decision to purchase database software
- (d) preparation and revision of appropriate documentation
- (e) setting up and monitoring of data security procedures

- (24) Which of the following is not an advantage of the database approach?
- (a) elimination of data redundancy
 - (b) ability to associate related data
 - (c) increased security
 - (d) program data independence
 - (e) all of the above are advantages
- (25) Which is NOT normally associated with being one of the main functions of Spreadsheets?
- (a) cash flow forecasting
 - (b) What if analysis
 - (c) Goal Seeking
 - (d) Storing price lists of information
 - (e) Sensitivity analysis
- (26) In file management systems, the duplication of items of data, so that they appear in two or more data files is known as:
- (a) data integrity
 - (b) data redundancy
 - (c) data duplication
 - (d) data manipulation
 - (e) data entry
- (27) A spreadsheet is particularly suitable for accounting use because it automatically provides an audit trail
- Is this statement?
- (a) True
 - (b) False
 - (c) Don't Know

Data for questions: 28 and 29

<i>Name</i>	<i>Address</i>	<i>Account No</i>	<i>Balance Owing</i>
Duncan	Glamis	100	£2000
Banquo	Glamis	200	£500

- (28) Which of the following statements relating to the print-out extract is correct?
- (a) Duncan is a field entry
 - (b) The extract from the print out is a single record
 - (c) Banquo is a character
 - (d) The extract from the print-out is a field
 - (e) None of the above