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Time taken	11 mins 47 secs
Marks	45.00/50.00
Grade	90.00 out of 100.00

QUESTION 1

Correct

Mark 1.00 out of 1.00

Which of the following is the closest to machine language?

- ☐ a. Scripted languages
- ☐ b. Query languages
- ☒ c. Assembly languages
- ☐ d. Compiled languages



The correct answer is: Assembly languages

QUESTION 2

Correct

Mark 1.00 out of 1.00

When transferring a file across the network, which of the following would be the FASTEST transfer rate?

- ☐ a. 1001Kbps
- ☐ b. 123Mbps
- ☒ c. 1.22Gbps
- ☐ d. 110Mbps



The correct answer is: 1.22Gbps

QUESTION 3

Correct

Mark 1.00 out of 1.00

Which of the following BEST describes an application running on a typical operating system?

- ☐ a. Thread
- ☐ b. Function
- ☐ c. Task
- ☒ d. Process



The correct answer is: Process

QUESTION 4

Correct

Mark 1.00 out of 1.00

The broadcast signal from a recently installed wireless access point is not as strong as expected. Which of the following actions would BEST improve the signal strength?

- ☐ a. Update from 802.11b to 802.11g.
- ☐ b. Enable WPA2-Enterprise.
- ☒ c. Ensure sources of EMI are removed.
- ☐ d. Use WiFi Protected Setup.



The correct answer is: Ensure sources of EMI are removed.

QUESTION 5

Correct

Mark 1.00 out of 1.00

Which of the following is a value that uniquely identifies a database record?

- ☐ a. Foreign key
- ☐ b. Private key
- ☐ c. Public key
- ☒ d. Primary key



The correct answer is: Primary key

QUESTION 6

Correct

Mark 1.00 out of 1.00

All users have access to an application at a company. The data from the application is stored on a centralized device located on the network. Which of the following devices would MOST likely be used to store the data?

- ☐ a. Workstation
- ☐ b. Tape library
- ☒ c. Server
- ☐ d. External HDD



The correct answer is: Server

QUESTION 7

Correct

Mark 1.00 out of 1.00

Which of the following requires the MOST frequent updating to remain effective?

- ☐ a. Host firewall
- ☐ b. Device drivers
- ☒ c. Antivirus
- ☐ d. Web browser



The correct answer is: Antivirus

QUESTION 8

Incorrect

Mark 0.00 out of 1.00

Which of the following is a value that uniquely identifies a database record?

- ☐ a. Public key
- ☐ b. Foreign key
- ☒ c. Private key
- ☐ d. Primary key



The correct answer is: Primary key

QUESTION 9

Correct

Mark 1.00 out of 1.00

Joe, a developer, is writing a program in which he needs to store a number that changes over the duration of the programs run. Which of the following would Joe MOST likely use to accomplish this?

- ☐ a. Function
- ☐ b. Loop
- ☐ c. Constant
- ☒ d. Variable



The correct answer is: Variable

QUESTION 10

Correct

Mark 1.00 out of 1.00

A company executive wants to view company training videos from a DVD. Which of the following components would accomplish this task?

- ☒ a. Optical drive
- ☐ b. Hard disk drive
- ☐ c. Flash drive
- ☐ d. Solid state drive



The correct answer is: Optical drive

QUESTION 11

Correct

Mark 1.00 out of 1.00

Which of the following storage devices have a spinning disk? (Choose two.)

- ☐ a. SSD
- ☒ b. HDD
- ☐ c. RAM
- ☐ d. Flash drive
- ☐ e. ROM
- ☒ f. Optical drive



The correct answers are: Optical drive, HDD

QUESTION 12

Correct

Mark 1.00 out of 1.00

An end users computer has been failing to open its word processing software. An IT technician successfully solves the problem. Which of the following best describes the technicians NEXT step?

- ☒ a. Document the findings.
- ☐ b. Disconnect the peripherals.
- ☐ c. Contact other users.
- ☐ d. Restart the computer.



The correct answer is: Document the findings.

QUESTION 13

Correct

Mark 1.00 out of 1.00

A company executive wants to view company training videos from a DVD. Which of the following components would accomplish this task?

- ☐ a. Flash drive
- ☒ b. Optical drive
- ☐ c. Solid state drive
- ☐ d. Hard disk drive



The correct answer is: Optical drive

QUESTION 14

Correct

Mark 1.00 out of 1.00

Which of the following BEST describes a technology that allows multiple users to create and edit reports at the same time?

- ☐ a. Locally installed productivity software
- ☐ b. Text file on a shared drive
- ☐ c. Informational intranet page
- ☒ d. Managed relational database



The correct answer is: Managed relational database

QUESTION 15

Correct

Mark 1.00 out of 1.00

Which of the following does a NoSQL database use to organize data?

- ☐ a. Primary keys
- ☐ b. Schemas
- ☐ c. Tables
- ☒ d. Keys/values



The correct answer is: Keys/values

QUESTION 16

Correct

Mark 1.00 out of 1.00

A technician is troubleshooting a problem. The technician tests the theory and determines the theory is confirmed. Which of the following should be the technicians NEXT step?

- ☒ a. Establish a plan of action.
- ☐ b. Document lessons learned.
- ☐ c. Implement the solution.
- ☐ d. Verify full system functionality.



The correct answer is: Establish a plan of action.

QUESTION 17

Correct

Mark 1.00 out of 1.00

A function is BEST used for enabling programs to:

- ☐ a. define needed constant values.
- ☐ b. hold a list of numbers.
- ☐ c. be divided into reusable components.
- ☒ d. define variables to hold different values.



The correct answer is: define variables to hold different values.

QUESTION 18

Correct

Mark 1.00 out of 1.00

A user is attempting to print a document to a wireless printer and receives an error stating the operation could not be completed. Which of the following should the user do to correct this issue?

- ☐ a. Enable task scheduling.
- ☒ b. Ensure both devices are connected to the LAN.
- ☐ c. Review the fault tolerance configurations.
- ☐ d. Reset the proxy settings to their default values.



The correct answer is: Ensure both devices are connected to the LAN.

QUESTION 19

Correct

Mark 1.00 out of 1.00

Which of the following statements BEST describes binary?

- ☐ a. A notational system used to represent Internet protocol addressing
- ☐ b. A notational system used to represent a storage unit of measurement
- ☐ c. A notational system used to represent media access control
- ☒ d. A notational system used to represent on or off state



The correct answer is: A notational system used to represent on or off state

QUESTION 20

Correct

Mark 1.00 out of 1.00

Which of the following application delivery mechanisms BEST describes infrastructure located in an individual organization's datacenter?

- ☐ a. Cloud
- ☐ b. Public
- ☒ c. Private
- ☐ d. Traditional



The correct answer is: Private

QUESTION 21

Correct

Mark 1.00 out of 1.00

Which of the following are examples of interpreted programming languages? (select all that apply)

- ☒ a. Python
- ☐ b. C
- ☒ c. PHP
- ☐ d. C++
- ☐ e. Java
- ☒ f. JavaScript



Your answer is correct.

The correct answers are:

JavaScript,

Python ,

PHP

QUESTION 22

Correct

Mark 1.00 out of 1.00

Which of the following is an example of an interpreted language?

- ☐ a. Java
- ☐ b. C++
- ☒ c. Python
- ☐ d. Go



The correct answer is: Python

QUESTION 23

Correct

Mark 1.00 out of 1.00

A database administrator wants to populate a database with large amounts of data from an external source. Which of the following actions should be used to get the database populated?

- ☐ a. EXPORT
- ☐ b. ALTER
- ☒ c. IMPORT
- ☐ d. SELECT



The correct answer is: **IMPORT**

QUESTION 24

Correct

Mark 1.00 out of 1.00

A game developer is purchasing a computing device to develop a game and recognizes the game engine software will require a device with high- end specifications that can be upgraded. Which of the following devices would be BEST for the developer to buy?

- ☒ a. Server
- ☐ b. Laptop
- ☐ c. Workstation
- ☐ d. Game console



The correct answer is: **Server**

QUESTION 25

Incorrect

Mark 0.00 out of 1.00

You notice the following lines of code in a program:



```
food_1 = "banana"
food_2 = "brisket"
food_3 = "carrot"
```

What would be an appropriate action to take to remove the repetitive variable names?

- ☐ a. Use a for loop
- ☐ b. Nothing. Just make more variables
- ☐ c. Use an array
- ☒ d. None of the above



Your answer is incorrect.

The correct answer is:

Use an array

QUESTION 26

Correct

Mark 1.00 out of 1.00

Which of the following BEST describes the physical location of the data in the database?

- ☐ a. RAM
- ☐ b. HDD
- ☒ c. Table
- ☐ d. Column



The correct answer is: Table

QUESTION 27

Correct

Mark 1.00 out of 1.00

Which of the following [operating systems](#) do not require extensions on files to execute a program? (Select TWO).

- ☐ a. Android
- ☐ b. Windows 8
- ☐ c. Windows 7
- ☒ d. UNIX
- ☒ e. Linux
- ☐ f. Windows Server 2012



The correct answers are: UNIX, Linux

QUESTION 28

Correct

Mark 1.00 out of 1.00

Which of the following BEST describes a kilobyte?

- ☐ a. A kilobyte is a measurement of throughput (e.g., 100Kbps).
- ☒ b. A kilobyte is a measurement of storage (e.g., 100KB).
- ☐ c. A kilobyte is a measurement of power (e.g., 100KW).
- ☐ d. A kilobyte is a measurement of processor speed (e.g., 2.4KHz).



The correct answer is: A kilobyte is a measurement of storage (e.g., 100KB).

QUESTION 29

Correct

Mark 1.00 out of 1.00

A UPS provides protection against:

- ☐ a. replay attack.
- ☒ b. power outages.
- ☐ c. denial of service
- ☐ d. wiretapping.



The correct answer is: power outages.

QUESTION 30

Correct

Mark 1.00 out of 1.00

For which of the following is a relational database management system MOST commonly used?

- ☐ a. Creating diagrams
- ☐ b. Building flowcharts
- ☐ c. Generating reports
- ☒ d. Storing information



The correct answer is: Storing information

QUESTION 31

Correct

Mark 1.00 out of 1.00

Which of the following are the primary functions of an operating system? (Choose two.)

- ☐ a. Provide virtual desktop capability.
- ☐ b. Provide peer-to-peer networking capability.
- ☒ c. Provide system resources.
- ☒ d. Provide structure for file and data management.
- ☐ e. Provide protection against malware and viruses.
- ☐ f. Provide user data encryption.



The correct answers are: Provide structure for file and data management., Provide system resources.

QUESTION 32

Correct

Mark 1.00 out of 1.00

Which of the following intellectual property concepts BEST represents a legally protected slogan of a business?

- ☐ a. Patent
- ☐ b. Copyright
- ☐ c. Contract
- ☒ d. Trademark



The correct answer is: Trademark

QUESTION 33

Correct

Mark 1.00 out of 1.00

A systems administrator uses a program that interacts directly with hardware to manage storage, network, and virtual machines. This program is an example of:

- ☐ a. an embedded OS.
- ☒ b. a Type 1 hypervisor.
- ☐ c. a storage area network.
- ☐ d. network attached storage.



The correct answer is: a Type 1 hypervisor.

QUESTION 34

Correct

Mark 1.00 out of 1.00

Which of the following is the BEST option for a developer to use when storing the months of a year and when performance is a key consideration?

- ☐ a. String
- ☒ b. Array
- ☐ c. List
- ☐ d. Vector



The correct answer is: Array

QUESTION 35

Correct

Mark 1.00 out of 1.00

A regulation requires new applicants to provide a scan of their retinas in case of any future legal questions regarding who applied for the position. Which of the following concepts is this an example of?

- ☐ a. Integrity
- ☒ b. Authentication
- ☐ c. Non-repudiation
- ☐ d. Accounting



The correct answer is: Authentication

QUESTION 36

Incorrect

Mark 0.00 out of 1.00

Meaningful and accurate reporting is essential to retailers in making business decisions while managing inventory. Which of the following offers the BEST assistance in generating reports?

- ☐ a. Average loss output
- ☐ b. Data capture and collections
- ☒ c. Asset inventory inputs
- ☐ d. Sales statistics



The correct answer is: Data capture and collections

QUESTION 37

Correct

Mark 1.00 out of 1.00

Which of the following BEST describes an application running on a typical operating system?

- ☐ a. Task
- ☒ b. Process
- ☐ c. Function
- ☐ d. Thread



The correct answer is: Process

QUESTION 38

Correct

Mark 1.00 out of 1.00

Ann, the president of a company, has requested assistance with choosing the appropriate Internet connectivity for her home. The home is in a remote location and has no connectivity to existing infrastructure. Which of the following Internet service types should MOST likely be used?

- ☐ a. DSL
- ☐ b. Fiber
- ☐ c. Cable
- ☒ d. Satellite



The correct answer is: Satellite

QUESTION 39

Correct

Mark 1.00 out of 1.00

Which of the following is an example of multifactor authentication?

- ☐ a. Hardware token and smartphone
- ☐ b. Fingerprint and retina scan
- ☐ c. Password and passphrase
- ☒ d. Smart card and PIN



The correct answer is: Smart card and PIN

QUESTION 40

Correct

Mark 1.00 out of 1.00

A technician has been asked to assign an IP address to a new desktop computer. Which of the following is a valid IP address the technician should assign?

- ☐ a. 127.0.0.1
- ☐ b. 192.168.257.1
- ☒ c. 172.16.2.189
- ☐ d. 255.255.255.0



The correct answer is: 172.16.2.189

QUESTION 41

Incorrect

Mark 0.00 out of 1.00

Which of the following should have the HIGHEST expectation of privacy?

- ☐ a. A picture posted to a social media website
- ☐ b. A spreadsheet emailed to a business client
- ☒ c. A presentation saved to a corporate file server
- ☐ d. A locally stored word processing document



The correct answer is: A locally stored word processing document

QUESTION 42

Correct

Mark 1.00 out of 1.00

Which of the following tasks is typically performed during the identification phase of the troubleshooting methodology?

- ☐ a. Divide and conquer.
- ☒ b. Question users.
- ☐ c. Implement the solution.
- ☐ d. Verify functionality.



The correct answer is: Question users.

QUESTION 43

Correct

Mark 1.00 out of 1.00

A programmer needs to store output in a place that can be accessed as quickly as possible. The data does not need to remain persistent. Which of the following is the BEST option for storing the data?

- ☐ a. Solid state drive
- ☐ b. Relational database
- ☐ c. Memory
- ☒ d. Flat file



The correct answer is: Flat file

QUESTION 44

Correct

Mark 1.00 out of 1.00

A company wants an application to be accessed by concurrent users and store company information securely. Which of the following would be the BEST option for storing the information?

- ☐ a. Word processing document
- ☐ b. Spreadsheet
- ☒ c. Database
- ☐ d. Flat file



The correct answer is: Database

QUESTION 45

Incorrect

Mark 0.00 out of 1.00

You have been tasked with designing a database for your company. You will need to create a number of tables and assign some special configuration options like primary-key/foreign-key relationships. Which of the following methods would be the easiest way.

- ☐ a. Char
- ☐ b. Int
- ☐ c. Boolean
- ☒ d. Varchar



Your answer is incorrect.

The correct answer is:
Char

QUESTION 46

Correct

A technician has successfully verified full system functionality after implementing the solution to a problem. Which of the following is the NEXT troubleshooting step the technician should do?

Contact

Company

Programs

Employers

Mobile

MAIL | info@fit.ie
CALL | +35318825570

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