Test Bank for Prelude to Programming 6th Edition Venit Drake 013374163X 9780133741636

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Test Bank:
Solution Manual:

Prelude to Programming 6th edition   Elizabeth Drake

Test Bank for Prelude to Programming   **Chapter 0**

MULTIPLE CHOICE

1. Which of the following is *not* an attribute of a computer?
a. can act on intermediate results without human intervention
b. has its roots over 20,000 years in the past
c. can be a mechanical or an electronic device
d. can store, retrieve, and manipulate large amounts of information
e. works at high speed with great accuracy

ANS: B

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2. One of the earliest computers, built in the mid-1800s, was called:
a. ADA
b. Babbage
c. Apple IIE
d. Analytical Engine

ANS: D

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3. A microchip is made:
a. of silicon
b. from the same material as a postage stamp
c. by the Altair company
d. All of the above are true

ANS: A

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4. One of the most important inventions of the 20th Century which subsequently allowed for the rapid increase in types and uses of computers was the:

a. vacuum tube
b. ENIAC computer
c. transistor
d. Mark I

ANS: C

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5. An integrated circuit is:
a. a network of vacuum tubes
b. a small package of transistors
c. a switching device
d. the same as a microchip

ANS: B

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6. The operating system developed by Google is:
a. Motorola
b. iOS
c. Windows
d. Android

ANS: D

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7. The brain of a computer is its:
a. hard drive
b. central processing unit
c. system unit
d. RAM

ANS: B

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8. The basic unit of memory in a computer is:
a. hertz
b. bytes
c. characters
d. meters

ANS: B

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9. DVDs and flash drives are types of:
a. internal memory
b. processors
c. external memory
d. programs

ANS: C

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10. Which of the following is both an input and an output device?
a. keyboard
b. monitor
c. modem/Internet connection
d. mouse

ANS: C

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11. The programs used by the computer to control and maintain hardware and to communicate with the user are:
a. applications software
b. browsers
c. shareware
d. system software

ANS: D

12. Which type of programming language is understood directly by the computer?
a. Assembly language
b. Machine language
c. VisualBasic
d. Java

ANS: B

13. The following instruction is an example of which type of programming language:
         `ADD C, D`
a. Assembly language
b. Machine language
c. VisualBasic
d. Java

ANS: A

14. Which of the following is a scripting language?
a. Assembly language
b. Visual Basic
c. JavaScript
d. COBOL

ANS: C

15. Which of the following are normally used to write a program in a high-level language?
a. a text editor
b. a debugger
c. a compiler or interpreter
d. all of the above are needed

ANS: D

TRUE/FALSE

1. True/False: The Analytical Engine was developed by Charles Babbage, assisted by Ada Augusta Byron.
ANS: T

2. True/False: In early computers, vacuum tubes were used to do the internal switching necessary for computations.
ANS: T

3. True/False: The transistor is a great improvement over the vacuum tube because it is much more energy efficient.
ANS: T

4. True/False: The first desktop computer, the Altair 8800, was invented in 1955.
ANS: F

5. True/False: A supercomputer can process over 1 billion instructions per second.
ANS: T

6. True/False: Web2.0 is simply an updated version of the World Wide Web.
ANS: F

7. True/False: One byte consists of eight bits.
ANS: T

8. True/False: One bit is the amount of memory used to store one character of information.
ANS: F

9. True/False: Hard disks are a type of mass storage device.
ANS: T

10. True/False: Flash drives are less reliable than other storage devices because they consist of so many small moveable parts.
ANS: F

11. True/False: Computer games are a type of application software.
ANS: T

12. True/False: The computer's master control program is the operating system.
ANS: T

13. True/False: Without an operating system, a personal computer would be virtually useless.
ANS: T

14. True/False: Assembly language consists of a sequence of bits that are all zeros and ones.
ANS: F

15. True/False: COBOL is an object-oriented language used mainly in Web sites to provide dynamic content.
ANS: F

SHORT ANSWER

1. A program is a(n) _____ of _____ to be carried out by a computer.
ANS: list, instructions

2. The next generation of the World Wide Web is called _____.
ANS: Web2.0

3. Components that are used by a computer but are located outside the system unit are known as

_____.
ANS: peripherals

4. The processor in a PC consists of many transistors that reside on a microchip which plugs into
the _____.
ANS: motherboard

5. The two types of internal memory are _____ and _____.
ANS: RAM, ROM

6. _____ is the type of internal memory that contains instructions used by the computer
during its startup process.
ANS: ROM

7. The type of internal memory that is used to hold data while the user is working on a computer,
but is lost when the computer is turned off, is called _____.
ANS: RAM

8. The computer uses _____ devices to receive data.
ANS: input

9. The speed of a processor is usually measured in _____.
ANS: gigahertz

10. A printer is an example of a(n) _____ device.
ANS: output

11. The most powerful and most efficient programs are written in _____ language.
ANS: machine

12. To write a program in a high-level language, you type and edit the program in a(n)

_____.
ANS: text editor

13. When you write a program in a high-level language, a(n) _____ or a(n) _____
translates the program into machine language.
ANS: compiler, interpreter

14. The two general categories of software are _____ software and _____ software.
ANS: application, system