

## Answers of Chapter 6

"Discovering Computers 2011 : Living in a Digital World"

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**(T) 1. The form of output generated by a computer varies depending on the hardware and software being used and the requirements of the user.**

**(304)**

(T) 2. Information on a display device sometimes is called soft copy. (306)

(F) 3. Most mobile computers and devices do not integrate the display and other components into the same physical case. (306)

(T) 4. Widescreen LCD monitors are wider than they are tall. (307)

(F) 5. Brightness describes the difference in light intensity between the brightest white and darkest black that can be displayed on an LCD monitor. (310)

(F) 6. An HDMI (High-Definition Media Interface) port combines S-video with high-definition (HD) television and video. (310)

(T) 7. With game consoles, the output device often is a television. (312)

(F) 8. A printout in landscape orientation is taller than it is wide. (313)

(F) 9. With Bluetooth printing, a computer or other device transmits output to a printer via infrared light waves. (314)

(T) 10. An all-in-one device is a single device that looks like a printer or a copy machine but provides the functionality of a printer, scanner, copy machine, and perhaps a fax machine. (320)

(F) 11. An impact printer forms characters and graphics on a piece of paper without actually striking the paper. (322)

(F) 12. A headset is a device that functions as both headphones and a Web cam. (324)

(F) 13. An LCD projector uses tiny mirrors to reflect light, which produces crisp, bright, colorful images that remain in focus and can be seen clearly even in a well lit room. (326)

1. Examples of output that primarily contain text-based documents are (D). (304)

- a. drawings, clip art, and photos
- b. music, narrations, and speeches
- c. home movies and live performances
- d. letters, reports, and e-mail messages

2. (B) uses organic molecules that produce an even brighter, easier-to-read display than standard TFT displays. (308)

- a. HDTV
- b. OLED
- c. LCD
- d. LED

3. The (A) is an alternative to DVI that also supports HDMI. (310)

- a. DisplayPort
- b. Digital Video Interface
- c. S-video port
- d. standard monitor port

4. A CRT monitor's viewable size is the (D) measurement of the actual viewing area provided by the screen in the monitor. (313)

- a. horizontal
- b. vertical
- c. three-dimensional
- d. diagonal

5. Ink-jet printer resolution is measured by the number of (D) a printer can print. (316)

- a. pages per minute (ppm)
- b. pixels per inch (ppi)
- c. lines per minute (lpm)
- d. dots per inch (dpi)

6. The primary disadvantage of multifunction peripherals is that (B). (320)

- a. they require more space than having separate devices
- b. if the multifunction peripheral breaks down, all functions are lost
- c. they are significantly more expensive than purchasing each device separately
- d. all of the above

7. A(n) (C) is a touch-sensitive device, resembling a dry-erase board, that displays the image on a connected computer screen. (326)

- a. flatbed scanner                      b. data projector
- c. interactive whiteboard              d. video conference

8. (D) is a technology that sends resistance to a device in response to actions of the user. (326)

- a. An interactive whiteboard              b. A CRT
- c. A dance pad                                      d. Force feedback

1. display device (306) d. an output device that visually conveys text, graphics, and video information

2. LCD monitor (307) j. a desktop monitor that uses a liquid crystal display to produce images

3. head-mounted display (HMD) (308) g. a display in a helmet, goggles, or glasses

4. nit (310) h. unit of visible light intensity equal to one candela per square meter

5. candela (310) f. standard unit of luminous intensity

6. aspect ratio (310) c. defines a display's width relative to its height

7. hard copy (313) a. printed information that exists physically and is a more permanent form of output

8. nonimpact printer (315) e. forms characters and graphics on a piece of paper without actually striking the paper

9. audio output device (323) b. component of a computer that produces music, speech, or other sounds, such as beeps

10. tactile output (327) i. provides the user with a physical response from a device