



IT 07 : Printers and Scanners

Online Study Questions

Curr	Question	Answer
Intro		
	1. What do printers do?	produce _____ copies of _____ files.
	2. What do scanners do?	allow users to convert _____ documents into _____ files
7.1	Describe the types of printers currently available	
7.1.1	Describe characteristics and capabilities of printers	
	3. What kind of technology do laser printers use?	
	4. What kind of technology do inkjet printers use?	
	5. What kind of technology do dot-matrix printers use?	
	6. How is the speed of a printer measured?	
	7. What is the speed of an inkjet printer?	
	8. What is the speed of a laser printer?	
	9. What three colors are in the dots of a monitor?	
	10. How is the quality of printing measured?	
	11. Which is better?	More dpi Less dpi
	12. What are three options available from the manufacturer that would make a printer reliable?	
7.1.2	Describe printer to computer interfaces	
	13. What are the three types of cables used to connect a home printer?	
	14. What type of connection would you use for a dot-matrix printer?	

	15. What is the current standard for parallel printer ports?	
	16. How is the printer detected if attached with a USB cable?	
	17. How is i.LINK or IEEE 1394 commonly referred to as?	
	18. How do most network printers connect to a NW?	
	19. For a wireless network, what is the maximum distance that a computer can be from the printer?	
	20. What technology uses an unlicensed radio frequency for short-range communication and is used to sync PDAs to laptops?	
	21. What are the two IEEE Wi-Fi standards?	
	22. What is the highest Wi-Fi transfer rate?	
7.1.3	Describe laser printers	
	23. Which laser printer part is a metal cylinder that is coated with a light-sensitive insulating material?	
	24. What are the six steps in the laser printing process?	1. cleaning
		2.
		3. writing
		4.
		5. transferring
		6.
	25. Which step of the laser printing process involves scanning the photosensitive drum with a laser?	
	26. Which step of the laser printing process involves scanning the photosensitive drum with a laser?	
	27. How hot can the voltage on the primary corona get?	
7.1.4	Describe impact printers	
	<i>Are the following an advantage or a disadvantage of using an impact printer:</i>	
	28. Uses continuous feed paper	Advantage Disadvantage
	29. Limited color capability	Advantage Disadvantage
	30. Has carbon copy printing ability	Advantage Disadvantage

	31. Low resolution graphics	Advantage	Disadvantage
	32. Noisy	Advantage	Disadvantage
	33. Slow printing, normally in the range of 32 to 76 characters per second (cps)	Advantage	Disadvantage
	34. Uses inexpensive consumables	Advantage	Disadvantage
7.1.5	Describe inkjet printers		
	35. Which type of printer sprays ink-filled cartridges that spray ink onto a page to produce an image?		
	36. Which unit is commonly used to measure the print quality of an inkjet printer?		
	37. What type of inkjet nozzle uses the vibration of a crystal to control the flow of ink onto paper to produce an image?	Thermal	Piezoelectric
	38. What type of inkjet nozzle uses pulses of electrical current that creates a bubble of steam in the chamber that pushes the ink out through the nozzle?	Thermal	Piezoelectric
	39. How long should you wait to touch a piece of paper after it leaves an inkjet printer?		
	<i>Are the following an advantage or a disadvantage of using an inkjet printer:</i>		
	40. Low cost	Advantage	Disadvantage
	41. Ink cartridges are expensive.	Advantage	Disadvantage
	42. Nozzles are prone to clogging.	Advantage	Disadvantage
	43. Quick to warm up	Advantage	Disadvantage
	44. High resolution	Advantage	Disadvantage
	45. Ink is wet after printing.	Advantage	Disadvantage
7.1.6	Describe solid-ink printers		
	46. What do solid-ink printer use instead of ink cartridges and toner?		
	<i>Are the following an advantage or a disadvantage of using an inkjet printer:</i>		
	47. Produces vibrant color prints	Advantage	Disadvantage
	48. Printers are expensive	Advantage	Disadvantage
	49. Ink is expensive	Advantage	Disadvantage
	50. Easy to use	Advantage	Disadvantage
	51. They are slow to warm up	Advantage	Disadvantage

	52. Can use many different paper types	Advantage	Disadvantage
7.1.7	Describe other printer types		
	53. Which type of printer is commonly used in stores to produce cash register receipts?		
	<i>Are the following an advantage or a disadvantage when using a thermal printer:</i>		
	54. Paper is expensive.	Advantage	Disadvantage
	55. Longer life because there are few moving parts	Advantage	Disadvantage
	56. Paper has a short shelf life.	Advantage	Disadvantage
	57. What type of printer is used to produce photo-quality images for graphic printing?		
	<i>Are the following an advantage or a disadvantage of using a dye-sublimation printer:</i>		
	58. Printers produce high-quality images	Advantage	Disadvantage
	59. Media can be expensive	Advantage	Disadvantage
7.2	Describe the installation and configuration process for printers		
	60. Where are the two places you can obtain drivers, manuals and diagnostic software for a printer?		
7.2.1	Describe how to set up a printer		
7.2.2	Explain how to power and connect the device using a local or network port		
	61. True/False? You should never plug a printer into a UPS?	True	False
7.2.3	Describe how to install and update the device driver, firmware, and RAM		
	62. True/False? The driver that is included with the printer is usually more current than the drivers used by the operating system.	True	False
	63. What are software programs that enable the computer and the printer to communicate with each other?		
	64. Which software, embedded in a printer, controls how the printer operates and can be upgraded?		
	65. What can you add to the printer so that it print a complex print job?		
7.2.4	Identify configuration options and default settings		
	66. What are the two paper orientations for most printers?		
	67. What is duplex printing?		
7.2.5	Describe how to optimize printer performance		

	What settings are used to cancel or pause current print jobs in the printer queue?	
	68. What settings can be adjusted so that your monitor and paper have the same colors?	
7.2.6	Describe how to print a test page	
	69. What is the path to print a test page manually?	<p>Start > _____ and Faxes to display the Printers and Faxes menu.</p> <p>_____ -click the desired printer and follow this path: Properties > General Tab > _____ Test Page</p>
	70. What are the two commands to print from the Run box?	
7.2.7	Describe how to share a printer	
	71. What are the steps to share a printer in Windows XP?	<ol style="list-style-type: none"> 1. Click Start > Printers and Faxes. 2. Right-click the printer and choose Properties. 3. Select the _____ tab. 4. Click the Share this printer radio button, as shown in Figure 2. 5. Keep or change the share name. 6. Click _____.
7.3	Describe the types of scanners currently available	
7.3.1	Describe scanner types, resolution, and interfaces	
	72. What is used to convert printed data into an electronic data format?	
	73. What are the four image formats that a scanner can create?	
	74. What are the three channels of the human eye?	
	75. Which software converts scanned pages into text?	
	76. How is the resolution of a scanner measured?	
7.3.2	Describe all-in-one devices	
	77. What four functions are commonly included in the all-in-one devices?	

7.3.3	Describe flatbed scanners		
	78. Which two types of scanners would be recommended to digitize delicate books from the last century?		
7.3.4	Describe handheld scanners		
	79. True/False? It is difficult to smoothly scan an image using a handheld scanner.	True	False
7.3.5	Describe drum scanners		
	80. What type of scanner is used to scan photographs in a museum?		
7.4	Describe the installation and configuration process for scanners		
7.4.1	Explain how to power and connect a scanner		
	81. What is the most important reason to calibrate a scanner?		
7.4.2	Describe how to install and update the device driver		
	82. You just bought a Foster Scanner from Office Max. Your computer runs Windows XP. Where should you get the scanner driver?		
	83. How will the OS find the scanner if it's PnP?		
	84. Why is color calibration between devices important?		
7.4.3	Identify & apply common preventive maintenance techniques for printers & scanners		
7.4.4	85. True/False? Clean printers and scanners regularly to avoid downtime, loss of productivity, and high repair costs.	True	False
7.4.5	Describe printer maintenance		
	86. True/False? Changing the toner on a laser printer removes the impurities on the internal components.	True	False
	87. True/False? Be sure to unplug the printer from the electrical source before beginning any type of maintenance.	True	False
	88. All ink cartridges are the same, so if you install the wrong type of ink nothing will happen to the printer.	True	False
7.4.6	Describe scanner maintenance		
	89. How do you clean the glass on a scanner?		
7.4.7	Troubleshoot printers and scanners		
7.4.8	Review the troubleshooting process		
	90. In the first step, who do you gather information from?		
7.4.9	Identify common problems and solutions		
	91. What are the three sources of problems for printers and scanners?		

