

Exam Report: 8.1.8 Practice Questions

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Overall Performance

Your Score: 53%



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Individual Responses

▼ Question 1: Correct

Which type of printer uses an inked ribbon?

- ➡ ☒ Dot matrix
- ☐ Laser
- ☐ Dye sublimation
- ☐ Ink jet

Explanation

Dot matrix printers use an inked ribbon. The printing mechanism strikes the ribbon to put ink onto the paper. A dye sublimation printer is a non-impact printer that uses film-embedded dye. Inkjet printers are quiet, non-impact printers that store ink in a reservoir. Bubble jet printers are the most popular form of inkjet printers. Laser printers use lasers and electrical charges to transfer images to paper.

References

TestOut PC Pro - 8.1 Printers
[e_printer_pp6.exam.xml Q_PTR_FACT_PRINTER_04]

▼ Question 2: Correct

Which of the following printer types is considered an impact printer?

- ➡ ☒ Dot matrix
- ☐ Laser
- ☐ Inkjet
- ☐ Bubble jet

Explanation

Impact printers have a print head that comes in contact with the paper surface. A dot matrix printer is an example of an impact printer. Inkjet printers are quiet non-impact printers that store ink in a reservoir. Bubble jet printers are the most popular form of inkjet printers. Laser printers use lasers and electrical charges to transfer images to paper.

References

TestOut PC Pro - 8.1 Printers
[e_printer_pp6.exam.xml Q_PTR_FACT_PRINTER_06]

▼ Question 3: Incorrect

Which of the following types of printers heats the ink in its print head to print?

- ➡ ☐ Bubble jet (inkjet)
- ☐ Laser
- ☒ ~~Thermal~~
- ☐ Piezoelectric crystal inkjet

Explanation

The bubble jet inkjet printer applies heat to the ink and squirts it through tiny nozzles in the print head and onto the paper. A laser printer also uses heat, but the heat is applied to thermal rollers (not a print head). A piezoelectric printer uses pressure to apply ink. A thermal printer uses heat to cause a reaction on specially treated paper.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_PTR_FACT_PRINTER_07]

▼ Question 4: Correct

You have been asked to recommend a printer that will be used in a travel agency. The printer will be used to print airline tickets. Each ticket has four pages (multi-part carbon-based forms), and the same information must show up on all four pages with a single pass of the printer. Which printer type would you recommend?

- ☐ Dye sublimation
- ☐ Laser
- ☐ Ink Jet

➡ ☒ Impact

Explanation

Because dot matrix (impact) printers strike the image onto paper, they are good printers to use when carbon-copy documents are being printed. A dye sublimation printer uses film-embedded dye. Laser printers use lasers and electrical charges to transfer images to paper. Inkjet printers spray ink from ink stored in a reservoir.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_PTR_FACT_PRINTER_08]

▼ Question 5: Incorrect

Which of the following components are found in dot matrix printers? (Select TWO.)

☒ ~~Thermal ink ribbon~~

☐ Nozzles

➡ ☒ Tractor feed

➡ ☐ Platen

☐ Drum

Explanation

Dot matrix printers use a tractor feed to pull paper through the printer. The print head pins strike an ink ribbon, pressing the ink into the paper. A platen is a metal plate behind the printer ribbon that is necessary because of the force of the pins striking the paper. Thermal ink ribbons are used in thermal printers. Dot matrix printers are impact printers that use force (not heat) to transfer ink. Nozzles are used

in inkjet printers to transfer ink to the paper. A drum is used in a laser printer for transferring toner to the paper.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_PTR_FACT_PRINTER_09]

▼ Question 6: Correct

You have created a large course that describes how to install and use the software created by your company. You created the document using FrameMaker, which uses its own proprietary file format. Because your customers don't use FrameMaker, you need to print the document in a format that all of your customers can use. Your customers use Windows, Linux, and Mac operating systems.

Which of the following print methods would provide the BEST output for your customers to use?

☐ Print the file to paper and ship it to your customers.

☐ Print the file to the Fax printer.

➡ ☒ Print the file to PDF.

☐ Print the file to XPS.

Explanation

Printing to the virtual PDF printer would produce a document that all three OS platforms can easily view.

Printing to XPS would also work for Windows users, but would be difficult for those using Linux and Mac systems, since most don't support XPS by default (although third-party tools are available). Printing to FAX or to paper is impractical and cost-prohibited because of the cost of printing and shipping.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_PTR_FACT_VIRTUAL_PDF]

▼ Question 7: Correct

Your company needs to print a lot of high-quality black-and-white text documents. These documents need to be printed as quickly and inexpensively as possible. The printer must also have the capacity to perform duplex printing.

Which of the following printers BEST meets the printing requirements for your company?

☐ Dot matrix

➡ ☒ Laser

☐ Inkjet

☐ Thermal

Explanation

Although laser printers may cost more to purchase, in the long run, the cost to print black-and-white text (with occasional graphics) will be less per page than an inkjet printer. Dot matrix printers are inexpensive, but they are slow, do not offer two-sided printing, and have a low quality output. Thermal printers typically cost more to purchase and require specialty materials, making them more expensive than a laser printer for the type of work this company requires.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_LAS_PTR_LASER_PRINTER]

▼ Question 8: Incorrect

Which type of printer uses a drum, plastic toner, and fuser to create a printed page?



- ☒ ~~Dot matrix~~
- ☐ Dye sublimation
- ☐ Ink jet
- ➡ ☐ Laser

Explanation

Laser printers use a laser to charge a metal drum. The drum picks up plastic toner, and the toner is then fused onto the paper (using rollers and heat). Dot matrix printers use an inked ribbon. The printing mechanism strikes the ribbon to put ink onto the paper. A dye sublimation printer is a non-impact printer that uses film-embedded dye. Inkjet printers are quiet non-impact printers that store ink in a reservoir.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_LAS_PTR_PRINTER_10]

▼ Question 9: Correct

Which type of printer uses lasers and electrical charges to transfer images to paper?

- ☐ Piezoelectric crystal inkjet
- ☐ Dot matrix
- ☐ Thermal inkjet (bubble jet)

➡ ☒ Laser

Explanation

A laser printer uses lasers and electrical charges to transfer images to paper. A thermal inkjet printer applies heat to the ink in print head nozzles, causing the ink to boil and expel itself from the nozzle. A piezoelectric printer uses pressure, not heat, to apply the ink. A dot matrix printer uses pins striking the ink ribbon to transfer the ink.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_LAS_PTR_PRINTER_11]

▼ Question 10: Incorrect

Which component in a laser printer prepares the photosensitive drum for writing by causing it to receive a negative electrostatic charge?

- ☐ Fuser
- ☒ Organic photoconductor (OPC) drum

➡ ☐ Primary corona

☐ Transfer corona

Explanation

The primary corona (also called the main corona or the charge corona) prepares the photosensitive drum for writing by causing it to receive a negative electrostatic charge. Depending on the printer, the primary corona will be wires or rollers. The Organic photoconductor (OPC) drum is just another name for the photosensitive drum. The transfer corona (sometimes called the secondary corona) charges the paper to attract the toner. Fusing rollers attach the toner to the paper by pressing and melting it.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_LAS_PTR_PRINTER_12]

▼ Question 11: Incorrect

Which component in a laser printer charges the paper to attract toner?

- ☐ Fuser
- ☐ Primary corona
- ☒ ~~Drum~~
- ➡ ☐ Transfer roller

Explanation

The transfer roller charges the paper to attract the toner. The primary corona prepares the photosensitive drum for writing by causing it to receive a negative electrostatic charge. Depending on the printer, the primary corona may be wires or rollers. A laser beam changes the charge on the surface of the drum in a pattern of the page's image. The toner sticks to the charged areas on the drum. Fusing rollers attach the toner to the paper by pressing and melting it.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_LAS_PTR_PRINTER_13]

▼ Question 12: Incorrect

Which component in a laser printer applies toner to the drum, causing the toner to stick to the charged areas on the drum?

- ☐ Fuser
- ☒ ~~Secondary corona~~
- ☐ Primary corona
- ➡ ☐ Developing roller

Explanation

The developing roller applies toner to the drum. The toner sticks to the charged areas on the drum. The transfer roller charges the paper to attract the toner. The primary corona prepares the photosensitive drum for writing by causing it to receive a negative electrostatic charge. Depending on the printer, the primary corona may be wires or rollers. Fusing rollers attach the toner to the paper by pressing and melting it.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_LAS_PTR_PRINTER_14]

▼ Question 13: Correct

The manufacturing department consists of 50 employees. Due to the number of employees in this department, the company cannot afford to have a printer for each user. Your company has purchased a new and very expensive laser jet printer for this department's use. This printer needs to be configured so all users in the department have the ability to print to this device from their own computers.

Which of the following printer connections would BEST facilitate multiple user access?

- ➡ ☒ Network
- ☐ Parallel
- ☐ Serial
- ☐ USB

Explanation

Connecting the printer to a network cable allows users from multiple locations to connect to the printer.

Although a printer can be connected to a PC using the other types of connections, they would not grant access to all users. A network cable will connect the printer to the same router that the other computers in the department are using.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_PTR_CONN_PRINTER_CONNECT]

▼ Question 14: Correct

Which of the following printers would produce the highest print quality?

- ☐ 24-pin
- ☐ 18-pin
- ➡ ☒ 600 DPI
- ☐ 300 DPI

Explanation

The dots per inch (DPI) describe the level of detail produced by a printer. The higher the DPI, the higher the print quality.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_PTR_CHAR_PRINTER_03]

▼ Question 15: Incorrect

Jan, a user in the documentation department, printed a very large document. When Jan's boss walked by the printer and saw the large stack of papers, he called you and asked if you could configure the printer to help reduce the amount of paper used by her department.

Which of the following printer configuration would BEST facilitate the manager's request?

- ☐ Orientation
- ➡ ☐ Duplexing
- ☐ Faxing
- ☒ Collating

Explanation

Duplexing is the process of printing on both sides of the paper, which could reduce the amount of paper used by about 50%.

Page orientation is the direction in which a document is printed. The two basic types of page orientation are portrait (vertical) and landscape (horizontal). Faxing is the telephonic transmission of scanned printed material (both text and images), normally to a telephone number connected to a printer or other output device. Collating is gathering and arranging individual sheets or other printed components into a pre-determined sequence.

References

TestOut PC Pro - 8.1 Printers

[e_printer_pp6.exam.xml Q_PTR_CHAR_PRINTER_CONFIG]