

Exam : Comptia PD1-001

Title : CompTIA PDI+ Beta Exam

Update : Demo

1. Which of the following functions is associated with the developer unit?

- A. Supplies toner to the photoconductor
- B. Charges the surface of the photoconductor
- C. Writes the latent image on the photoconductor
- D. Cleans the photoconductor

Answer: A

2. An encoder sensor typically detects:

- A. paper position.
- B. shaft rotation.
- C. magnetic flux.
- D. laser beam strength.

Answer: B

3. The customer has a dedicated ink jet fax machine that is used to send and receive faxes only from the corporate office. The user complains of streaks on the received faxes while the internal self-prints are fine. Which of the following should a technician recommend?

- A. Clean the scanner glass on the distant machine.
- B. Clean the scanner glass on the local machine.
- C. Clean the printer head on the local machine.
- D. Call the telephone company to increase the line signal level.

Answer: A

4. Which of the following stages in the laser print process attracts toner to the latent image on the photoconductor?

- A. Writing
- B. Fusing
- C. Development
- D. Transfer

Answer: C

5. Which of the following would be the BEST process for the technician to follow when beginning to diagnose a unit at a customers site?

- A. Check the printers error log, and then inform the primary user what the issue is.
- B. Go directly to the printer and investigate any issues that are found.
- C. Investigate the printers status, then ask the primary user to write down what they think is wrong.
- D. Gather information from the primary user, and then evaluate the printers condition.

Answer: D

6. Which of the following utilities could be used to determine a subnet mask?

- A. PING
- B. NSLOOKUP
- C. TRACERT
- D. IPCONFIG

Answer: D

7. How many CCDs are located in a single pass duplex ADF?

- A. One
- B. 2
- C. 3
- D. 4

Answer: B

8. When is it advisable to dump the waste toner from a technicians service vacuum?

- A. When it is full.
- B. It is not recommended.
- C. Before performing preventative maintenance.
- D. After each call.

Answer: B

9. A customer has installed a new computer on their network. They can print to the printer but the option for duplex printing is not available. All other computers have the option. Which of the following is the cause of the problem?

- A.The new computer is printing to the wrong IP address.
- B.The new computer is using the wrong protocol.
- C.The driver port is not setup correctly.
- D.The option has not been selected on the driver.

Answer: D

10. A polygon mirror is part of which of the following assemblies?

- A.Laser unit
- B.Developer unit
- C.Charge assembly
- D.Fuser assembly

Answer: A

11. In which of the following sections of an MFP would a technician find a Xenon Lamp?

- A.The paper feed section
- B.The fuser section
- C.The scanner section
- D.The transfer section

Answer: C

12. During the photoconductor preparation step, residual charge can be removed by which of the following? (Select TWO).

- A.Pressure
- B.Oil

C.Light

D.Gravity

E.Electrical Charge

Answer: CE

13. Which of the following components is part of the ink dispersion system?

A.Print Heads

B.Cleaning heads

C.Pickup Roller

D.Charge Assembly

Answer: A

14. The proper safety guidelines for handling any device specific consumables can be found in which of the following documentation?

A.Material Safety Data Sheets

B.Installation Guides

C.Consumer Reports

D.Devices Parts Catalog

Answer: A

15. A customer is concerned about excessive media jamming in their device. Which of the following is the FIRST thing a technician should check?

A.Media feed rollers

B.Cassette drawers

C.Fusing section

D.Device log data

Answer: D

16. The polygon mirror is located in which of the following components?

A.Developer unit

B.Scanner unit

C.Fuser unit

D.Laser unit

Answer: D

17. Which of the following is the purpose of a torque limiter in a roller?

A.To reduce wear and tear on rollers.

B.To provide resistance but still allow some slippage.

C.To limit the amount of movement by media.

D.To make it easier to replace rollers.

Answer: B

18. Using the CMYK color model, the color purple is produced by combining cyan and which other color?

A.Green

B.Magenta

C.Yellow

D.Black

Answer: B

19. Which of the following is a reason black toner is used in color printers?

A.It decreases the print speed in color laser printers.

B.It prevents moir patterns when printing color photographs.

C.It reduces the cost per page when printing gray scale documents.

D.It makes the color toner resistant to smudging when wet.

Answer: C

20. A technician is troubleshooting a network connectivity issue on a MFD and would like to eliminate the possibility of another device on the network having the same IP address. The technician should:

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- A.disconnect the MFD and ping the IP address.
 - B.disconnect the MFD and ping the subnet mask.
 - C.disconnect the MFD and ping the loopback address.
 - D.run the ipconfig command from the command prompt.

Answer: A

21. When onsite repairing a printer the technicians cell phone rings and it is a personal call, how should the technician handle this?

- A.Answer the call and talk to your friend at the customer site.
- B.Answer the call and tell the friend you will call them later.
- C.Let it go to voicemail, call them back between service calls.
- D.Let it ring and call the friend back when the customer leaves.

Answer: C

22. When arriving at the customers location, two different users describe the problem, and from their description it seems to be two separate problems. Which of the following is an appropriate step to take?

- A.Ignore both of them and decide what the real problem is.
- B.Set up a separate call for each problem.
- C.Have them duplicate the problem at the device.
- D.Ask a third person and see if the problem is the same thing.

Answer: C

23. Which of the following type of lamp is used for heating a fuser?

- A.Xenon
- B.Halogen
- C.Incandescent
- D.Light Emitting Diode

Answer: B

24. Scheduled preventative maintenance visits should be carried out:

- A. after two unplanned service calls.
- B. according to manufacturers specifications.
- C. when the device is becoming unreliable.
- D. every sixty days.

Answer: B

25. How should a service representative provide closure at the end of a call for a client?

- A. Explain the issues of the call, the steps taken to resolve them and query the client if they have any additional needs.
- B. Explain the solution to the issue and then provide the client with the technicians contact information in case they have any questions.
- C. Give the client a technical explanation on the issue and how it was fixed; throw any faulty equipment in the clients garbage.
- D. Proceed to the next service call, check back with the client in a week to see if they have any additional needs.

Answer: A

26. Which of the following is the FIRST step a technician should take when troubleshooting a device issue?

- A. Gather information from the customer.
- B. Isolate the problem on the device.
- C. Read the service documentation for possible causes.
- D. Check the parts life counters.

Answer: A

27. Which of the following devices can route electrical signals only when activated by an external control signal?

- A. Solenoid

B. Relay

C. Clutch

D. Capacitor

Answer: B

28. Which of the following failed components would be responsible for the fuser unit not heating properly?

A. Halogen lamps

B. Ball bearing

C. Hot roller

D. Pressure roller

Answer: A

29. Which of the following items can be used as a discharge lamp?

A. Halogen lamp

B. Light Emitting Diodes (LED)

C. Fuser lamp

D. Cleaning roller

Answer: B

30. Which of the following types of media would MOST likely cause above normal amounts of machine jamming?

A. Envelopes

B. Colored media

C. Letterhead

D. Pre punched

Answer: A

31. Which of the following components contains the analog to digital converter?

A. Scanner section

B. Charging unit

C.ADF

D.Paper tray

Answer: A

32. Which of the following electrical components detects a change of state by blocking the infrared beam with a flag or actuator?

A.Reflector sensor

B.Magnetic switch

C.Toggle switch

D.Interrupt sensor

Answer: D

33. Which of the following components places ink directly on the media in an ink dispersion device?

A.Purge unit

B.Carriage

C.Print head

D.Ink supply

Answer: C

34. Which of the following components prevents the print head from clogging?

A.Purge unit

B.Absorption pads

C.Carriage

D.Ink supply

Answer: A

35. Which of the following is the primary function of the purge unit?

A.It moves the print head back and forth.

B.It feeds paper into the printer.

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- C.It delivers ink directly to the media.
 - D.It prevents the nozzles from clogging.

Answer: D

36. Which of the following should be done when a printed output is smearing? (Select TWO).

- A.Check the media setting in the device driver / application.
- B.Verify the manufacturer of the media.
- C.Check to see if the laser unit is obstructed.
- D.Verify that the media used is according to manufacturer specifications.
- E.Check cable connections from the computer to the printer.

Answer: AD

37. A typical component used to generate heat in the fusing unit is a:

- A.charging unit.
- B.friction roller.
- C.halogen lamp.
- D.ceramic resistor.

Answer: C

38. The latent image is created on the photoconductor by which of the following?

- A.Laser unit
- B.Transfer unit
- C.Fusing unit
- D.Scanner unit

Answer: A

39. After toner is transferred to the paper, the next step is:

- A.developing.
- B.fusing.

C.charging.

D.purging.

Answer: B

40. The charge assembly typically receives its bias from the:

A.high voltage power supply (HVPS).

B.laser unit.

C.developer unit.

D.low voltage power supply (LVPS).

Answer: A

41. The registration assembly synchronizes the sheet of paper to the:

A.fuser exit timing sensor.

B.image on the photoconductor.

C.pickup rollers in the media tray.

D.image data from the scanner.

Answer: B

42. The section that converts the received PCL5e print file into a data signal useable by the laser unit is called the:

A.charge coupled device (CCD).

B.raster image processor (RIP).

C.print file maker (PFM).

D.dual inline memory module (DIMM).

Answer: B

43. Which of the following mirrors is used in scanners?

A.Aluminized mirrors

B.Polarized mirrors

C.Second surface mirrors

D.First surface mirrors

Answer: D

44. A customer wants to edit text from an original scanned image, which of the following should a technician recommend?

A.Install an OCR program.

B.Install a WYSIWYG program.

C.Scan using the TIFF format and then edit the text.

D.Scan using the PDF format and then edit the text.

Answer: A

45. Which of the following performs a similar function to a charge coupled device (CCD)?

A.CIS

B.DAC

C.LED

D.LCD

Answer: A

46. A dirty laser unit window can cause:

A.light streaks on the prints.

B.ghosting on the prints.

C.dark streaks on the prints.

D.double-image prints.

Answer: A

47. When setting up a standard Ethernet printing port on a users PC, a technician needs to know which of the following?

A.DNS settings

B.IP address

C.Device serial number

D.MAC address

Answer: B

48. Which of the following is the MOST likely cause of light images when scanning?

A.Dirty mirrors

B.Wrong scanner driver

C.No output from the CCD

D.Cracked lens

Answer: A

49. The plunger of a solenoid is pulled inward by:

A.friction.

B.magnetic force.

C.gravity.

D.gear rotation.

Answer: B

50. A photo-reflective sensor typically detects:

A.velocity.

B.paper presence.

C.fuser temperature.

D.inertia.

Answer: B