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QUESTION 1

Which of the following frequency bands do 802.11b and 802.11g operate in?

A. 1GHz

B. 2.4GHz

C. 5GHz

D. 6GHz

Correct Answer: B

The frequency bands that 802.11b and 802.11g operate in are 2.4GHz bands, which allow for longer range but lower speed than higher frequency bands such as 5GHz or 6GHz bands used by newer standards such as 802.11a/n/ac/ax.

QUESTION 2

A technician is troubleshooting an issue involving lines appearing down copied pages, but printed pages sent directly to the copier render as intended. Which of the following is the MOST likely cause of this issue?

A. Empty imager drum

B. Overheated system fuser

C. Scratched scanner glass

D. Third-party toner

Correct Answer: C

If lines appear down copied pages but printed pages sent directly to copier render as intended, it could be due to scratched scanner glass which can cause lines or streaks on copied pages.

If there are lines appearing on copied pages, but not on printed pages sent directly to the copier, the issue is most likely caused by a scratch on the scanner glass.

References: https://www.pacificoffice.com/how-to-fix-lines-on-copier/

QUESTION 3

A technician has noticed that a monitored server is receiving a disk failure notice during startup. When the technician clicks to continue, the machine still seems to startup into Windows but at a much slower speed. The technician looks at the BIOS information and sees the machine utilizes a RAID 5 configuration. Which of the following does the technician MOST likely need to perform?

A. Reinstall the HDD drivers.

B. Rebuild The RAID.

C. Replace the failed drivers.

D. Restart the system.

Correct Answer: B

The disk failure notice during startup indicates that one or more disks in the RAID array have failed. The machine still seems to startup into Windows but at a much slower speed because the RAID 5 configuration can tolerate one disk failure and still operate, but with reduced performance and reliability. The technician most likely needs to rebuild the RAID, which means replacing the failed disk(s) and restoring the data from the parity information. Reinstalling the HDD drivers will not fix the disk failure. Replacing the failed drivers is not a valid option, as drivers are software, not hardware. Restarting the system will not fix the disk failure either. References: https://www.comptia.org/blog/what-is-raid-0-1-5-6-10

QUESTION 4

Which of the following cables should be used to terminate ST connectors on each end?

A. Optical fiber

B. Coaxial

C. Shielded twisted pair

D. HDMI

Correct Answer: A

Optical fiber is the type of cable that should be used to terminate ST connectors on each end. ST connectors are commonly used for fiber optic cables, which transmit data using light pulses. Coaxial, shielded twisted pair, and HDMI are not types of cables that use ST connectors, but different types of connectors and transmission methods.

QUESTION 5

A developer is requesting permission to utilize client-side visualization. The developer would like to write code in a setting isolated from other infrastructure to avoid negative impacts of experimental code. Which of the following provides the BEST solution for the developer?

A. Cross-platform functionality

B. Software compatibility

C. Test case development

D. Sandbox environment

Correct Answer: D

A sandbox environment is an isolated testing environment where code can be written and tested without impacting other infrastructure. This provides a safe and controlled environment for experimentation and development. References: CompTIA A+ Certification ore 2 Exam Objectives - 5.5 Compare and contrast common workstation security best practices