

1. What are the main problems related to fragmented files?
  - a. Performance degradation and backup challenges
2. Why is backing up an organization's servers important?
  - a. Data protection and protection against attacks
3. Discuss in detail the creation of a DNS implementation plan.
  - a. Assessment requirements, select software, design, security config, Testing
4. What are the advantages and disadvantages of using DHCP
  - a. Auto configs are efficient and scalable, and have centralized control.
  - b. Single point of failure, security risk, and limited control
5. How did the WannaCry ransomware attack impact the UK's National Health Service (NHS), and what measures did hospital staff take to continue operating?
  - a. Operational Disruption, Data inaccessibility, and Financial loss
6. Explain the significance of the EternalBlue exploit in the spread of the WannaCry ransomware. Why was this exploit particularly dangerous?
  - a. Had a wide reach, was a recent exploitation, No user interaction required, Targeted legal systems.

7. What role did security researcher Marcus Hutchins play in stopping the WannaCry ransomware, and what unexpected method did he use to achieve this?
  - a. Hutchins discovered a kill switch and activated it by turning on the domain. Neutralized the spreading ability.