**1. What is HyperTerminal used for?**  
✅ **Answer: (c)** (c) Creating and managing serial connections  
(Note: This might be a trick question. HyperTerminal is used for serial communication, not port 80 (which is for HTTP). But based on options given, 80 might be selected.)

**2. What is the default port number used by TFTP for communication?**  
✅ **Answer: (d) 69**

**3. What is the recommended frequency for performing configuration backups?**  
✅ **Answer: (a) At least once a week**

**4. What does the IP in TCP/IP stand for?**  
✅ **Answer: (d) Internet Protocol**

**5. Which command is commonly used in Huawei VRP to initiate a configuration backup?**  
✅ **Answer: (d) backup configuration to tftp**

**6. Which command is used to enter privileged EXEC mode in Cisco IOS?**  
✅ **Answer: (d) enable**

**7. What is the term used to describe a hierarchical, distributed database that stores domain names and IP addresses?**  
✅ **Answer: (a) DNS zone**

**8. How long is a MAC address in bits?**  
✅ **Answer: (b) 48 bits**

**9. Which type of routing protocol exchanges routing information only with directly connected neighbors?**  
✅ **Answer: (d) EIGRP**  
(Note: EIGRP uses neighbor relationships; RIP also does, but EIGRP is more specific to the "directly connected" behavior.)

**10. In Huawei VRP, what is the typical DHCP address assignment process?**  
✅ **Answer: (b) Discover -> Offer -> Request -> Acknowledge**

**11. What is the primary purpose of the Session Layer in the OSI model?**  
✅ **Answer: (d) Establishing, maintaining, and terminating communication sessions**

**12. In static routing, how are routes determined and configured?**  
✅ **Answer: (d) Manually by a network administrator**

**13. In dynamic routing, how are routing decisions made?**  
✅ **Answer: (d) Through the exchange of routing updates between routers**

**14. What does supernetting involve?**  
✅ **Answer: (d) Combining multiple smaller network addresses into a larger one**

**15. In Cisco IOS, which mode allows configuration changes to router interfaces and routing protocols?**  
✅ **Answer: (b) Global Configuration mode**

**16. What is the administrative distance of a default route in most routing protocols?**  
✅ **Answer: (b) 1**  
(For a static default route; RIP = 120, EIGRP = 90, OSPF = 110)

**17. What command is used to copy the running configuration to the startup configuration in Cisco IOS?**  
✅ **Answer: (a) copy running-config startup-config**

**18. Which command is used in Cisco IOS to configure a DHCP pool?**  
✅ **Answer: (b) ip dhcp pool**

**19. What does "remote access" refer to in networking?**  
✅ **Answer: (b) Accessing resources located in different physical locations over a network connection**

**20. Which technology is commonly used to establish secure remote access to a network or device?**  
✅ **Answer: (b) SSH (Secure Shell)**