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本人以前通过CCNA，提供一些建议。条件：英语一定要好对OSI参考模型，TCP/IP模型有很好的掌握使用过CISCO的低端路由器对交换机的运作功能有一些基础

A.CCNA Certification Exam Objective The CCNA (640-407) exam will consist of a combination of the following objective

1. Identify and describe the functions of each of the seven layers of the OSI reference model
2. Describe connection-oriented network service and connectionless network service, and identify the key differences between them.
3. Describe data link addresses and network addresses, and identify the key differences between them
4. Define and describe the function of a MAC address.
5. Define flow control and describe the three basic methods used in networking
6. Differentiate between the following WAN services: frame relay, isdn/lapd, hdlc, & ppp
7. Log into a router in both user and privileged modes
8. Use the context-sensitive help facility
9. Use the command history and editing features
10. Examine router elements (RAM, ROM, CDP, show)
11. Manage configuration files from the privileged exec mode
12. Control router passwords, identification and banner
13. Identify the main cisco IOS commands for router startup
14. Check an initial configuration using the setup command
15. Copy and manipulate configuration files
16. List the commands to load cisco IOS software from: flash memory, a tftp server, or ROM
17. Prepare to backup, upgrade, and

load a backup Cisco IOS software image 18. List the key internetworking functions of the OSI network layer and how they are performed in a router 19. Describe the two parts of network addressing, then identify the parts in specific protocol address examples 20. List problems that each routing type encounters when dealing with topology changes and describe techniques to reduce the number of these problems 21. Explain the services of separate and integrated multiprotocol routing 22. Describe the different classes of IP address 23. Configure IP address 24. Verify IP address 25. Prepare the initial configuration of your router and enable ip 26. Add the RIP routing protocol to your configuration 27. Add the IGRP routing protocol to your configuration 28. List the required IPX address and encapsulation type 29. Enable the Novell IPX protocol and configure interfaces 30. Monitor Novell IPX operation on the router 100Test 下载频道开通，各类考试题目直接下载。详细请访问 www.100test.com