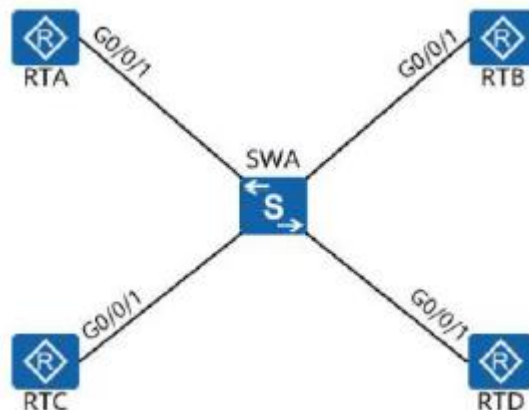


HCIA DATACOMM QUESTION AND ANSWERS

1. SDN requires the control and forwarding planes to *be* separated.
True *makes it flexible*
Fake
2. When forwarding a data packet, a router needs to change the destination IP address of the packet.
True
False
3. Only one SSID can be bound to each radio of an AP.
True *multiple can be bound*
False
4. A DHCP Offer packet can carry only one DNS server address
True *for redundancy*
False
5. A router in the backbone area has complete LSEDBs of routers in other areas.
True
False
6. The router ID of the OSPF process takes effect immediately after being changed.
True
False
7. CAPNAP control tunnels and data tunnels use the same port number.
True
False
8. Refer to the graphic. OSPF is used on four routers that are in the same area and on the same network segment, In this scenario, OSPF selects one DR and multiple BDRs to ensure backup.



True
False

9. The working mode of an AP cannot be changed.
True
False
10. The IPv6 address 2001:ABEF:224EFFE2:BCC0:CDOO:DDBE:8D58 cannot be abbreviated.

True

False

11. The MPLS label header is encapsulated between the data link layer header and the network layer header. e True

True

False

12. A NAS performs domain-based user management. A domain is a group of users and each user belongs to a domain.

True

False

13. STAB can discover a WLAN only when APs send Beacon frames.

True

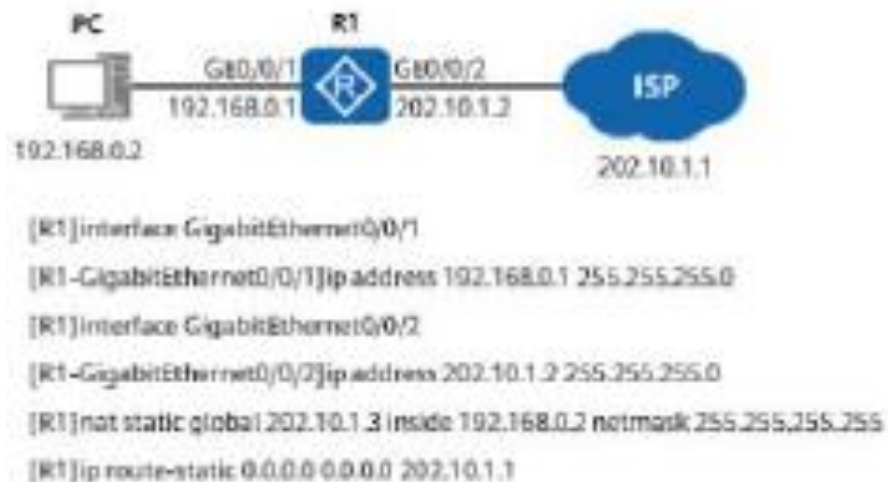
False

14. The broadcast address of the network segment '192.168.1.0/25 is 192.168.1.128.

True

False

15. Refer to the graphic, the static NAT command is executed on R1. When a PC connected to R1 accesses the Internet, the destination address in the packets does not change.



True

False

16. The ARP protocol can resolve the MAC address of a destination device from the corresponding destination IP address, mapping the MAC address and IP address.

True

False

17. When the host accesses web service of the server, the value of the "Protocol" field at the network layer is 6.

True

False

18. For STP, the default root path cost of the root bridge is a

True

False

19. If the value of the "Type/Length" field of an Ethernet data frame is 0x0800, the length range of the upper-layer packet header carried by the data frame is from 20B to 60B.

True

False

20. On the VRP CLI, files cannot be permanently deleted using the delete or delete /unreserved command. To permanently delete them, you need to delete the files in the recycle bin.

True

False

21. ::1/128 is an IPv6 loopback address

True

False

22. The IP addresses of VLANIF interfaces on the same switch must be different.

True

False

23. The router that runs OSPF first enters the Full state and then synchronizes the LSDB.

True

False

24. On an interface that uses PPP as the data link layer protocol, you can configure a static route by specifying a next-hop address or outbound interface.

True
False

25. A router in the backbone area has complete LSDBs of routers in other areas.

True
False

26. The router ID of the OSPF process takes effect immediately after being changed.

True
False

27. When redundant links exist on a switching network, STP can be used to eliminate loops

True
False

28. If the value of the "Type/Length" field of an Ethernet data frame is 0x0800, the length range of the upper-layer packet header carried by the data frame is from 20B to 60B.

True
False

29. Refer to the graphic, after the ping 10.1.1.2 command is executed on R1, LSW1 receives a tagged data frame from VLAN 10 on LSW2.



True
False

30. NAPT differentiates IP addresses of different users based on protocol ID in TCP, UDP, or IP packets.

True

False

31. When the host accesses web service of the server, the value of the "Protocol" field at the network layer is 6.

True

False

32. In RSTP mode, interfaces in the Discarding state discard received data frames but maintain the MAC address table based on received data frames.

True

False

33. For multiple paths to the same destination network, the router needs to compare the preference values of the paths. If the preference values are the same, the router selects the paths based on the cost value. When forwarding a data packet, a router needs to change the destination IP address of the packet.

True

False

34. An AC transmits management packets to Fit APs through CAPWAP control tunnels.

True

False

35. If a network's address is 192.168.1.0, the broadcast address of the network is 192.168.1.255.

True

False

36. If a network's address is 192.168.1.0, the broadcast address of the network is 192.168.1.255.

True

False

37. The authentication, authorization and accounting schemes and HWTACACS or RADIUS server templates created on AR routers take effect only after being applied to a domain.

True

False

38. The working mode of an AP cannot be changed.

True

False

39. The IP addresses of VLANIF interfaces on the same switch must be different.

True

False

40. By the time two OSPF-enabled routers have established a 2-way neighbor relationship, LSDB synchronization has been completed.

True

False

41. By the time two OSPF-enabled routers have established a 2-way neighbor relationship, LSDB synchronization has been completed.

True

False

42. A gateway must be configured for communication between a host and other hosts.

True

False

43. Making a call on a landline telephone is a type of network communication.

True

False

44. More than two switches can be stacked into one logical device.

True

False

45. `Telnet.read very eager()` in `telnetlib` is used to read all data that can be read without blocking in I/O (eager). `telnet.read very eager()` typically needs to be used together with the `time` module.

True

False

46. After a switch restarts, static MAC address entries saved on the switch remain in the MAC address table.

True

False

47. The router ID of the OSPF-enabled router must be the same as the IP address of an interface on the router.

True

False

48. Only CHAP authentication can be used for PPPoE sessions.

True

False

49. Fat APs can provide wireless user access, wireless user authentication, and service data forwarding without an AC.

True

False

50. Only the WPA2-PSK security policy supports TKIP data encryption.

True

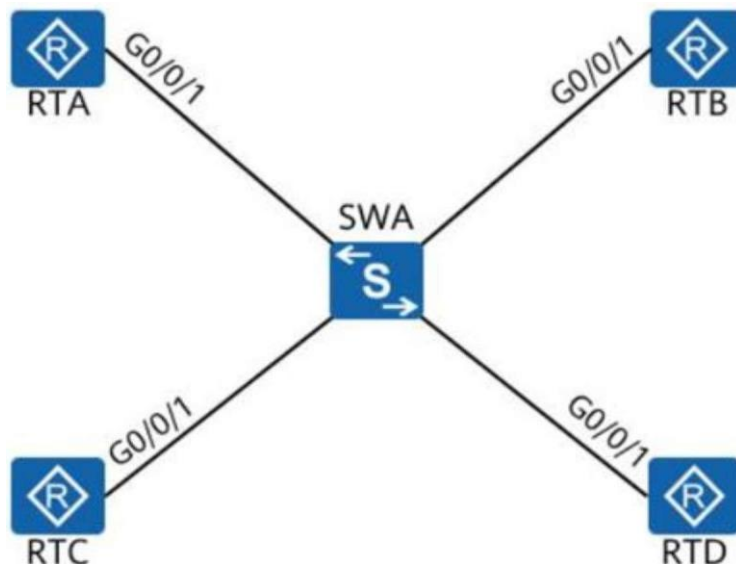
False

51. All ports on the root bridge switch are designated ports.

True

False

52. Refer to the graphic. OSPF is used on four routers that are in the same area and on the same network segment. In this scenario, OSPF selects one DR and multiple BDRs to ensure backup.



True

False

53. The basic header of IPv6 packets has a fixed length.

True

False

54. When forwarding a data packet, a router needs to change the destination IP address of the packet.

True

False

55. IEEE 802.11 ac supports only the 5 GHz frequency band.

True

False

56. On Huawei switches, you can run the VLAN batch command to create multiple VLANs in batches.

True

False

57. A trunk interface allows frames from multiple VLANs including VLAN 4096.

True

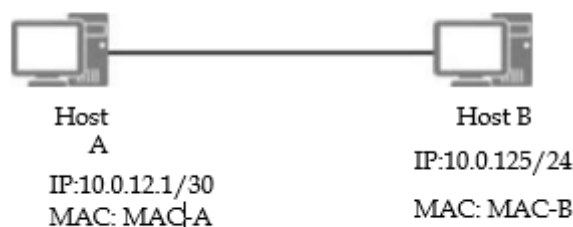
False

58. None of the 14 available channels on the 2.4 GHz frequency band overlap.

True

False

59. As shown in the figure, host A and host B cannot communicate with each other.



True

False

60. Wi-Fi 6 is also known as the IEEE 802.11 ax standard.

True

False

61. When a host uses the stateless address autoconfiguration solution to obtain an IPv6 address, the host cannot obtain the DNS server address.

True

False

62. If AAA authentication is used on Huawei devices and the remote server does not respond, the authentication can be performed on network devices.

True

False

63. With SNMP, an NMS can only display the device running status but cannot deliver configurations.

True

False

64. Only CHAP authentication can be used for PPPoE sessions.

True

False

65. A gateway must be configured for communication between a host and other hosts.

True

False

66. An Eth-Trunk interface can be used only as a Layer 2 interface

True

False

67. CAPWAP control tunnels and data tunnels use the same port number.

True

False

68. On Huawei switches, you can run the VIAN batch command to create multiple VLANs in batches.

True

False

69. The tracert diagnostic tool of Huawei routers is used to trace data forwarding paths.

True

False

70. The IP addresses of VLANIF interfaces on the same switch must be different.

True

False

71. For the Versatile Routing Platform (VRP), the login timeout period can be set only on a VTY interface.

True

False

72. The priority of static routes cannot be manually specified.

True

False

73. For STP, the default root path cost of the root bridge is 0.

True

False