

Computer Maintenance 1

Module 12 Homework/Study Guide

Define these terms:

1. Flat Addressing
2. Hierarchical Addressing
3. Intranetwork
4. Internetwork
5. Static Address
6. Dynamic Address
7. MAC Address
8. IP Address
9. Subnet Mask
10. Default Gateway
11. DNS
12. RIR
13. IANA
14. Classful
15. Classless
16. CIDR

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17. VLSM

18. Network/Host Formulas

19. Class A

20. Class B

21. Class C

22. Binary

23. Dotted Decimal

24. Octet

25. Network Address

26. Broadcast Address

27. Subnet

28. Formula for calculating USEABLE Subnets

29. Formula for calculating USEABLE Hosts

30. Boolean operations

31. ANDing

32. Private Addresses

33. NAT

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34. APIPA

35. DHCP

36. Convert these Binary and Decimal Numbers:

Binary	Decimal
10101010	
01010101	
11101110	
01100110	
	75
	13
	221
	249

37. 199.63.111.0

Borrowing 2 bits.

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38. 201.100.4.0

Borrowing 3 bits.

39. 205.99.5.0

Borrow 4 bits.

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40. 210.199.53.0

Borrow 5 bits.

41. 192.16.22.0

Borrow 6 bits.

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42.

