



Republic of Rwanda
City of Kigali



GASABO DISTRICT

RTQF LEVEL: LEVEL IV

OPTION: NETWORKING

MODULE: NEWNM 401: NETWORK MAINTENANCE

Section A: Attempt all questions (100 Marks)

Duration: 3hours

SECTION ONE: ATTEMPT ALL QUESTIONS OF THIS SECTION [100MARKS]

1. Define clearly network maintenance. /4Marks
2. What is a Link? /4Marks
3. What are the layers of the OSI reference model? /4Marks
4. What is a LAN? What is subnet mask? /4Marks
5. What is data encapsulation? /4Marks
6. Briefly describe NAT. /4Marks
7. What are different ways of securing a computer network? /4Marks
8. What is NIC? /2Marks
9. What is WAN? /2Marks
10. How many layers are there under TCP/IP? /4Marks
11. What is a private IP address? /4Marks
12. What is NOS? /4Marks
13. What is DoS? /4Marks
14. What are MAC addresses? /4Marks
15. What are firewalls? /4Marks



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16. What is tracert? /4Marks
17. One way of securing a network is through the use of passwords. What can be considered as good passwords? /4Marks
18. What is netstat? /2Marks
19. What is Ping? /2Marks
20. What is the standard color sequence of a straight-through cable? /4Marks
21. You need to connect two computers for file sharing. Is it possible to do this without using a hub or router? /4Marks
22. What is IPCONFIG? /2Marks
23. What is the difference between a straight-through and crossover cable? /4Marks
24. Explain the importance of authentication. /4Marks
25. What are importance of maintaining network? /4 Marks
26. Give and explain the elements should appear in any network documentation./4 Marks
27. As network administrator, give the tasks to be done while maintaining any network.
6Marks

GOOD LUCK!!!!!!!!!!!!!!!!!!!!!!