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**GASABO DISTRICT**

**DISTRICT COMPREHENSIVE ASSESSMENT, RTQF LEVEL 3**

**2022-2023**

**TRADE: NETWORKING AND INTERNET TECHNOLOGIES**

**MODULE: LAN INSTALLATION**

**DATE OF EXAM: 14/03/2023 Duration: 3hours**

**ACADEMIC YEAR: 2022-2023**

**Instructions:**

1. **Answer all questions in section A (55 Marks)**
2. **Answer three question in section B (30 Marks)**
3. **Answer one question in section c (15 Marks**)

**A)Multiple choice 10 questions 2 marks for each**

Q1. If all devices are connected to a central hub, then the topology is called

1. Bus topology
2. Tree topology
3. Ring topology
4. Star topology

Q2. Ethernet is a standard for

1. LAN
2. MAN
3. WAN
4. All options are corrected

Q3. LAN topology contains

1. Bus
2. Star
3. Ring
4. All of these

Q4. WLAN stands for

1. Wireless Local Area Network
2. Wire Lost Area Network
3. Wireless Local Ambiguity Network
4. Wired Local Area Network

Q5. Office LANs, which are scatted geographically on large scale, can be connected by the use of corporate………………

1. CAN
2. LAN
3. DAN
4. WAN

Q6. LAN works on which of the following layers?

1. Physical
2. Datalink
3. Datalink and network
4. Physical and datalink

Q7. What is the size of Ip address version 4?

1. 16-bits
2. 32-bits
3. 48-bits
4. 64-bits

Q8. Ethernet, Token Ring, and Token Bus are all different types of …….

1. LANs
2. MANs
3. WANs
4. VANs

Q9. ………..signal is analog

1. A baseband
2. A broadband
3. An Ethernet
4. None of the above

Q10. What is the purpose of a LAN?

1. To allow computers to communicate with each other in the same area
2. To allow computers to communicate with each other-anywhere in the world

**B) SECTION A**

Q11. Define what is LAN? **3marks**

Q12. What is topology and give two types of topology **6marks**

Q13. What are the interconnecting devices list them. **5marks**

Q14. List the type of media and give the examples of each? **6marks**

Q15. What is router device in LAN installation? **4mark**

Q16. What is the advantage of repeater device in network? **6marks**

Q17. Differentiate file and folder? **4marks**

Q18. What is a protocol? **2marks**

**SECTION B 10 MARKS FOR EACH QUESTION**

Q19. In dynamic routing protocols there are many protocols we have. Differentiate RIP Version 2 and OSPF Version 2 **10marks**

Q20. What is classification of network devices and give example of each? **10marks**

Q21. Gigabit Ethernet has a data rate of how many megabyte per second? **10marks**

Q22. Explain method of assigning ip address to the computer on network? **10marks**

Q23. In management of network visual equipment what is network visual equipment and give examples of visual equipment. **10marks**

Q24. As trainee of level 3 you are asked to go to install LAN. What are the requirements components you will need to configure LAN network? **15marks**

Q25. In Performing Basic IOS Configuration. Explain in details configuration mode we have **15marks**

**Good luck!!!!!!!!**