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061306T4CSC

COMPUTER SCIENCE LEVEL 6

ICT/OS/CS/CR/07/6/A

Understand Networking and Distributed Systems

Nov/Dec 2024

TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL (TVET CDACC)

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PRACTICAL ASSESSMENT

Time: 1 HOUR 10 MINUTES

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following task:

   TASK : Setup a simple office computer network to access the internet

2. You have been provided with the following resources for the practical tasks:

   - Cat6 Ethernet cable
   - Crimping tool
   - RJ45
   - Cable tester
   - Working computer
   - Masking tape / Labels

TASK 1: Setup a computer network.

Being a computer Science student, you have been requested by your trainer to setup a network of two computers for the purpose of sharing resources.

You are required to perform the following:

1. Prepare a network cable of about 1.5 metres.
2. Test the cable using a network cable tester provided.
3. Label the computer provided as A and B
4. Establish a peer to peer network using the computers provided.
   - Set the IP address for computer A to 192.168.1.10
   - Set the IP address for computer B to 192.168.1.11
   - Set gateway as default.
5. Create a sharable folder in Computer A.
   - Name the folder as "CompA".
6. Test connectivity of the computers using a computer network testing tool.
   - Screen captures the Ping results of computer A and save as "Network1" in CompA folder.
   - Screen capture the Ping results of computer B and save as "Network2" in CompA folder.
7. Configure a sharable printer in Computer B
8. Print the contents of CompA folder from Computer B

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