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061006T4ICT
ICT TECHNICIAN LEVEL 6
IT/OS/ICT/CR/01/6
Perform Computer Networking
Nov/Dec 2024

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

PRACTICAL ASSESSMENT

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Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following tasks
   i. **TASK 1: Network Cable preparation**
   ii. **TASK 2: Setting up the computer network**
2. You have been provided with the following resources for the practical tasks:

   a) Two UTP cables of 1.5 metres each.
   b) Six RJ-45 connectors
   c) Two computers with an operating system installed.
   d) One switch connected to Network
   e) One network tool kit
   f) Reliable internet connection.

TASK 1: Network Cable preparation **(25 marks)**

a) Using the wire cutter or the crimping tool, cut two pieces 1.5metres long Ethernet cable.
b) Prepare the cables by crimping RJ-45 on both ends.
c) Test the cables for connectivity.

TASK 2: Setting up the computer network **(25 marks)**

a) Connect two computers to the switch with internet
b) Check if it has received an IP address and is connected to the network
c) To test network connectivity
d) Check network performance
e) Create a file in one of the computer
f) Check if network services by sharing a file

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