

061205T4CYB

CYBER SECURITY LEVEL 5

SEC/OS/CS/CR/03/5/A

Perform Computer Networking

Nov/Dec 2024



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

PRACTICAL ASSESSMENT

OBSERVATION CHECKLIST

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	Marks Available	Marks Obtained	Comments
TASK 1: Network Setup:			
Successfully launched cisco packet tracer on the computer (award 2 marks or zero)	2		

a) Created accounts department	2		
b) Accounts department with at least two pcs. One named ACC-PC1 and the other ACC-PC2	2		
c) Created delivery department	2		
d) Accounts department with at least two pcs. One named DEL-PC1 and DEL-PC2	2		
(Award 2 marks or zero for each department and 2 marks or zero each for pcs)			
a) Installed a router From the device toolbar, selected and dragged a router	2		
b) Installed two switches From the device toolbar, selected and dragged two switches. One for accounts department and one for delivery department	2		
(Award 2 marks or zero for each correct number)			
a) Configured IP address Click on DEL-PC1, go to the Desktop tab, and open the IP Configuration tool. Set the IP address. Do it to all PCs	2		
b) Configured subnet mask Click on DEL-PC1, go to the Desktop tab, and open the IP Configuration tool. Set the Subnet mask. Do it to all PCs	2		
c) Configured gateways			

Click on DEL-PC1, go to the Desktop tab, and open the IP Configuration tool. Set the gateways. Do it to all PCs N/B should adhere to network address 192.168.40.0/24 (Award 2 marks or zero for each correct configuration)	2		
Used appropriate cabling a) Router to switch 1 Used a straight through cable b) Router to switch 2 Used a straight through cable c) Switch to accounts pcs Used a straight through cable d) Switch to delivery pcs Used a straight through cable N/B: in case of a connection between the two similar devices should use a crossover cable (Award 1 mark for each correct cable used for the routers and 2 marks each for the switch or zero)	1 1 2 2		
Tested the connectivity between pcs in accounts and delivery (Award 4 marks or zero if data packets are transmitted using the ping command)	4		
Subtotal 1	30		

TASK 2: Security configuration

a. Configured terminal <pre>Router> enable Router# configure terminal Router(config)#</pre> b. Hostname name <pre>Router(config)# hostname MyRouter MyRouter(config)#</pre> c. Enable secret password <pre>MyRouter(config)# enable secret mySecretPassword</pre> d. domain-lookup <pre>No IP domain-lookup MyRouter(config)# no ip</pre> (Award 3 marks each or zero for correct configuration)	3 3 3 3		
Set the password for console and vty login <pre>MyRouter(config)# line con 0 MyRouter(config-line)# password consolePassword MyRouter(config-line)# login MyRouter(config-line)# exit MyRouter(config)# line vty 0 4 MyRouter(config-line)# password vtyPassword MyRouter(config-line)# login MyRouter(config-line)# exit</pre> (Award 4 marks each or zero for correct coding)	4 4		

Subtotal 2	20		
GRAND TOTAL	50		
ASSESSMENT OUTCOME			
The candidate was found to be: Competent ☐ Not yet Competent ☐ <i>(Please tick as appropriate)</i> <i>(The candidate is competent if the candidate obtains at least 50%)</i>			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature		Date:	
_____		_____	
Assessor's Signature		Date	
_____		_____	