



Islington college
(इस्लिंग्टन कलेज)

CT4004NI Networking Concepts (CCNA 1 & 2)

Unseen Exam

50%

2021 Spring

Student Name:

London Met ID:

College ID:

Assignment Due Date:

Assignment Submission Date:

I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded.

1.Design Topology

Given an IP address and mask of 172.16.1.0/24 (*address/mask*) , design an IP addressing scheme that satisfies the following requirements.

LAN	Number of Hosts
LAN 1	5
LAN 2	66

LAN 1

Task	specification	points	Total Marks = 21
Subnet Mask in Bits		3	
Subnet Mask in Decimal		3	
Number of Usable Host in the Network		3	
First IP Host Address		3	
Last IP Host Address		3	
Network Address		3	
Broadcast Address		3	

Assign the second last and last usable IP addresses in the PCs of the LAN 1.

LAN 2

<i>Total Range for the Network</i>	<i>Specification</i>	<i>Points</i>	<i>Total Marks = 21</i>
<i>Subnet Mask in Bits</i>		3	
<i>Subnet Mask in Decimal</i>		3	
<i>Number of Usable Host in the Network</i>		3	
<i>First IP Host Address</i>		3	
<i>Last IP Host Address</i>		3	
<i>Network Address</i>		3	
<i>Broadcast Address</i>		3	

Points: _____ of 42