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LAB FINAL

Course Title: Computer Networks Course Code: CIS 212

Section: Batch 18-D Total Mark: 40

(a)	A company has two branches: **Branch A** and **Branch B**. Each branch has its own separate local network named 193.168.1.0 and 193.168.2.0 The company requires that the two branches be connected through routers, and routing between them must be set up using **RIP version 2**. Additionally, each branch must use **DHCP** configured on their router to automatically assign IP addresses to all end devices. Design the network configuring **RIP version 2** for dynamic routing between the branches, and set up **DHCP pools** for automatic IP address assignment at each branch.	15+15
(b)	Implement VLAN using two different department named CIS and CSE.	10

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LAB FINAL

Course Title: Computer Networks **Course Code: CIS 212**

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(a)	Implement a network using **OSPF** (Open Shortest Path First) to connect six different networks with the following network addresses: • 193.168.10.0/24 • 193.168.20.0/24 • 193.168.30.0/24 • 193.168.40.0/24 • 193.168.50.0/24 • 193.168.60.0/24 Additionally, configure **DHCP** in one router so that end devices connected to the router automatically receive their IP addresses. The **default gateway** for each device should be the corresponding router interface IP in that network.	(15+15)
(b)	Implement VLAN using three different department named CIS, CSE and SWE.	10