

# IQRA UNIVERSITY ISLAMABAD

## DEPARTMENT OF COMPUTING & TECHNOLOGY

### COMPUTER NETWORKS PROJECT

COURSE: CSC- 361,261  
Batch: FA-23,SP23,SP24

DCCN ,CN  
Semester: 3<sup>RD</sup> 4<sup>th</sup>,5<sup>TH</sup>, Instructor: Ghulam Raza Mehdi

Total Marks: 200

due date: 15 june 25

Name: \_\_\_\_\_

Roll Number: \_\_\_\_\_

*(You are required to bring this in hard form when you are scheduled for demo. Do not fill “obtained marks” column)*

Sr.	Point	Description	Total Marks	Obtained Marks
1	Topology	Creation of correct topology	10	
2	IP Addressing	Proper assignment of IP addresses to devices and interfaces Adherence to VLSM and subnet mask calculations Efficient utilization of IP address space	40	
3	Routing Protocol Configuration	Correct configuration of EIGRP	15	
		Correct configuration of OSPF	15	
		Correct configuration of RIP	15	
		Proper routing protocol redistribution	30	
		Successful routing between different networks	5	
4	DHCP Server Configuration	Correct configuration of the DHCP server Successful IP address assignment to hosts	10	
5	NAT Configuration	Correct NAT configuration one of the router	20	
6	ACL Implementation	Accurate ACL creation and application Effective restriction of access to the web server for specified devices	10	
7	Email Configuration	Correct SMTP server configuration Successful email communication between host	10	

8	Documentation	Clear and concise documentation of the configuration Proper labeling of devices and interfaces Detailed explanation of the design and implementation	20	
		Grand Total:	200	