

Enrollment No: \_\_\_\_\_

**PARUL UNIVERSITY**  
**FACULTY OF ENGINEERING & TECHNOLOGY**  
**B.Tech Mid Semester Exam**

**Semester: 4th**  
**Subject Code: 303105260**  
**Subject Name: Network Concepts & Security**

**Date: 01/02/2024**  
**Time: (1hr: 30min)**  
**Total Marks: 40**

Sr. No.		Marks
<b>Q.1</b>	<b>(A) Five One line Questions</b>	<b>05</b>
	1) What are LAN and WAN Networks.	
	2) What is subnet mask? What will be the subnet mask of class B ip address.	
	3) what is HTTP Protocol?	
	4) What is VPN and Proxy ?	
	5) What is DNS caching.	
	<b>(B) Five Fill in the blanks</b>	<b>05</b>
	1) ____ class IP range starts from 192.	
	2) FTP service runs of port number _____.	
	3) _____ is the full form of IKE.	
	4) The _____ layer lies between the session layer and the application layer.	
	5) _____ is the full form of OSI.	
<b>Q.2</b>	<b>Attempt any four(Short Questions)</b>	<b>12</b>
	(1) Explain about IKEv2/IPsec Protocol.	
	(2) Difference between Primary and Secondary DNS Servers?	
	(3) What is ONION routing?	
	(4) Describe briefly about IPV4 and IPV6 addresses.	
	(5) Difference between Hub and Switch?	
<b>Q.3</b>	<b>Attempt any two questions</b>	<b>08</b>
	(1) What is TOR Network? Explain about features of TOR Network.	
	(2) What is router? Explain the difference between Switch and Router?	
	(3) Explain about different types of DNS records?	
<b>Q.4</b>	(A) . Describe TCP/IP Model in detail.	<b>05</b>
	(B) Describe about different types of Endpoint Solutions.	<b>05</b>
	OR	
	Describe about the following attacks:	<b>05</b>
	1. IP Spoofing	
	2. DoS(Denial of Service)	
	3. Session Hijacking	