END SEMESTER EXAMINATION

SEMESTER-V

COURSE CODE : CSE-505 | **DURATION : 3 (THREE)HRS**
COURSE TITLE : INTERNETWORKING | **MAXIMUM MARKS : 75**
SESSION : JULY-DEC'2021 | **PASS MARKS : 35 %**

NOTE: *1. Attempt any 5 (five) questions.*
2.. Mark for each question is shown against it.
3. Assume suitable logical data wherever necessary.

1.	**(a)**	Draw and explain an IPv6 datagram.	**(6)**
	(b)	What is multiplexing? Explain its types.	**(5)**
	(c)	Explain how Mobile IP works.	**(4)**
2.	**(a)**	Differentiate between IPv4 and IPv6.	**(5)**
	(b)	Define Firewall and Explain its types.	**(6)**
	(c)	Illustrate how data is transferred in an optical fiber.	**(4)**
3.	**(a)**	Explain how routing table is created and updated in OSPF.	**(6)**
	(b)	What is WLAN? Explain the network topologies for WLAN.	**(5)**
	(c)	Explain IPv4 and its classes.	**(4)**
4.	**(a)**	Distinguish RIP and OSPF.	**(5)**
	(b)	Explain the types of threats in a network.	**(4)**
	(c)	Explain RIR and its functions. Also, list the names of the 5 RIRs.	**(6)**
5.	**(a)**	Explain the working of BGP in an internetwork.	**(8)**
	(b)	What is DNS? Why is it needed?	**(3)**
	(c)	Draw and briefly explain the Bluetooth and its Architectures.	**(4)**
6.	**(a)**	Explain the role of DNS Resolver.	**(5)**
	(b)	Define Autonomous system.	**(2)**
	(c)	Draw and explain IPv4 Datagram format.	**(8)**
7.	**(a)**	What is the use of IP Sec?	**(3)**
	(b)	Explain the different types of Domains.	**(6)**
	(c)	Draw and explain the layers of Internet Model.	**(6)**
8.	**(a)**	Write short notes on : a. VPN b. Radio communication c. IPNAT	**(3x5=15)**

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