C. U. SHAH UNIVERSITY **Summer Examination-2020**

Subject Name: Fundamentals of Networking (FON)

Subject Code: 5CS)3MFN1	Branch: MCA	
Semester : 3	Date : 05/03/2020	Time : 02:30 To 05:30	Marks :70

Instructions:

- (1) Use of Programmable calculator and any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

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		SECTION – I	
Q-1		Attempt the Following questions	(07)
	a.	Define Protocol.	
	b.	What do you mean by Bit rate?	
	c.	Difference between Intranet and Extranet.	
	d.	What is the default subnet mask of Class A?	
	e.	What is the use of Brouter?	
	f.	Write Down a Full Form of DHCP.	
	g.	Define Multicasting.	
Q-2		Attempt all questions	(14)
	(a)	Explain Client-Server and Peer to Peer Model with suitable examples.	07
	(b)	Explain TDMA And FDMA.	07
		OR	
Q-2		Attempt all questions	(14)
	(a)	Explain OSI Reference Model.	07
	. ,	Define Topology. Explain Advantage and disadvantage of Star, Bus, Mesh and Ring Topology.	07
Q-3		Attempt all questions	(14)
	(a)	Write a short Note "IEEE 802".	07
	(b)	Explain IP Datagram with suitable diagram.	07
		OR	
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Explain Comparison of Different wireless Media. 07 Q-3 (a) Explain Transmission Impairments. (b) 07



	SECTION – II
	Attempt the Following questions
a.	List Out Goals of Computer Network.
b.	Define Polling.
c.	How many Bytes are used in IPv6?
d.	Bridge works on which layer?
e.	Define Contention System.
f.	Difference Between ARP and RARP.
g.	Define Point to Point Link.
	Attempt all questions
	Explain IP Address Structure.
	Explain Distance vector and Link state routing with examples.

OR

Q-5	(a)	Explain & give difference between Active Hub and Passive Hub.	07
	(b)	Explain Design issues of Layer.	07

Q-6 Attempt all questions

Q-4

Q-5

(a) (b)

	Attempt all questions	(14)
(a)	Explain Application and Transport Layer protocol in TCP/IP Reference	07
	Model.	
(b)	Explain Asynchronous and Synchronous Transmission with suitable	07
	examples.	

OR

Q-6		Attempt all Questions	
	(a)	Explain different Access Method with suitable examples.	07
	(b)	Explain working of Optical Fiber.	07



(07)

(14)

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