Enrolln	nent No:	_ Exam Seat No:	
	C.U.SHAH	UNIVERSITY amination-2018	
Subject	t Name : Data Communications & N	Networking (DCN)	
Subject	t Code : 4CS05NWT1	Branch: M.Sc. C.A. & I.T. (Integrated)	
Semesto	er :5 Date : 26/11/2018	Time: 10:30 To 01:30	Marks: 70
(2) (3)	ions: Use of Programmable calculator & a Instructions written on main answer Draw neat diagrams and figures (if n Assume suitable data if needed.	book are strictly to be obeyed.	orohibited.
a)	Attempt the following questions: Computer Network is	ponents and Computers ication Channels	(14)
b)	(a) The Physical Boundary of Ne (b) An Operating System (c) A System designed to prevent (d) none of above		
c)	How Many layers in OSI reference n		
d)	(a) 4 (b) 5 (c)6 DHCP stands for (a) Dynamic Host Control Protoc (b) Dynamic Host Configuration (c) Dynamic Host Canvas Protoc (d) Dynamic Hyper Control Prot	col n Protocol col	
e)	IPV4 address is bit.		
f)	(a) 8 (b) 16 (c)32 DNS stands for	2 (d) 64	

- (d) Domain Network System
- g) IP stands for _____
 - (a) Internet Protocol

Q-1

- (b) Internet Password
- (c) Internal Password
- (d) None of these
- h) Router Operates in which Layer of OSI reference Model?



		(a) Layer-I (b) Layer-3 (c) Layer-4 (d) Layer-7	
	i)	Which of the following layer of OSI Model also called end to end layer?	
		(a) Presentation layer (b) Network layer (c) Session layer (d) Transport layer	
	j)	Bridge works in which layer of the OSI Model?	
		(a) Application (b) Transport (c) Network (d) Data Link	
	k)	Provides a Connection-Oriented reliable service for sending	
		messages.	
		(a)TCP (b) IP (c) UDP (d) All of the above	
	l)	Each IP packet must contain	
		(a) Only source Address (b)Only Destination Address	
		(c) Source and Destination Address (d) Source or Destination Address	
	m)	Which of the following IP address class is multicast	
		(a) Class A (b) Class B (c) Class C (d) Class D	
	n)	LAN stands for	
		(a) Local Area Network (b) Local Access Network	
		(c) Local Arbitrary Network (d) None of these	
Attem	pt any	four questions from Q-2 to Q-8	
Q-2		Attempt all questions	(14)
	a)	What is Networking ?Explain various Network Model in brief	(7)
	-	What is Network Services? Enlist Types of Network Services. Explain any two in	(7)
	·	brief.	
Q-3		Attempt all questions	(14)
	a)	Explain OSI Network Model in brief. (With Necessary Diagram)	(14)
Q-4		Attempt all questions	(14)
	a)	What is Topology? Explain Star topology in brief.	(7)
		Write a brief note on "Switch Device".	(7)
Q-5		Attempt all questions	(14)
~ -	a)	Write a brief note on "Transmission Control Protocol(TCP)"	(10)
		Write a short note on "Internet Protocol(IP)".	(04)
Q-6		Attempt all questions	(14)
•	a)	What is Cable? Explain Coaxial cable in brief.	(7)
		Write a short note on "Mesh Topology".	(7)
Q-7		Attempt all questions	(14)
	a)	Explain LAN, WAN with diagram.	(8)
	b)	Write a Short note on "HUB Device".	(6)
Q-8		Attempt all questions	(14)
-	a)	What is Windows-NT? Write down the various steps to install windows-NT.	(7)
		What is Ad-hoc Network? Explain in brief.	(7)

