This document is a part of Main Course File		oart of Main Course File	Document No.: CFM – 8	
AND INCOMPOSITION		SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY		
		MANAGED		
		N. G. PATEL POLYTECHNIC		
		COMPUTER ENGINEERING DEPARTMENT		
	FORMAT FOR ASSIGNMENTS			
	,	de): CN (4340703)		
	Year: Third	/Second		
0	nt Number: 1	4240802		
U	nment CO Number: 4340703.a			
Sr. No.	Questions related to Course Outcomes			
Part – A	Answer the Question.			
1.	Define Computer Network. List out characteristics of network.			
2.	Explain Network Criteria.			
3.	List out various application of Computer Network.			
4.	Explain Protocol and its key elements.			
5.	What is Line Configuration? Explain in brief.			
6.	Define Topology. List out various topology.			
7.	Explain Star and Bus topology with its diagram, advantages and disadvantages.			
8.	Explain Mesh and Ring topology with its diagram advantages and disadvantages.			
9.	List the types of network. Explain any two in brief.			
10.	Define server. List out various types server. Explain any two.			
Prepared	By: (Name of	Faculty (ies)) with	Signature of Head of Department	
signature			_	

This do	ocument is a part of Main Course File	Document No.: CFM – 8	
and a start	POLY ROAD	SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED N. G. PATEL POLYTECHNIC	
() ISA	COMPUTER I	COMPUTER ENGINEERING DEPARTMENT	
	FORMAT FOR A	SSIGNMENTS	
Course Na	ame (With Code): CN (4340703)		
	Year: Third/Second		
	nt Number: 2		
0	nt CO Number: 4340703.b		
Sr. No.	Questions related to Course Outcomes		
Part – A			
1	Draw clean and neat diagram of ISO OSI Reference model.		
2	Explain the functionality of physical and datalink layer.		
3	Explain the functionality of Network and transport layer.		
4	Explain the functionality of session and presentation layer.		
5	Draw and explain TCP/IP model with its protocol functionality.		
6	Explain the difference between OSI & TCP/IP model.		
7			
signature	By: (Name of Faculty (ies)) with	Signature of Head of Department	

This do	ocument is a part of Main Course File	Document No.: CFM – 8		
and a		SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED N. G. PATEL POLYTECHNIC		
之里	N. G. PAT			
19 ISA	COMPUTER H	ENGINEERING DEPARTMENT		
	FORMAT FOR A	SSIGNMENTS		
	ame (With Code): CN (4340703)			
	/ Year: Third/Second			
U	nt Number: 3			
	Assignment CO Number: 4340703.c			
Sr. No.	Questions related to Course Outcomes			
Part – A	-			
1	Draw flowchart of transmission media.			
2	Explain UTP cable with proper diagram. Also mention advantages and disadvantages.			
3	Explain STP cable with proper diagram.			
4	Explain Co- Axial cable with proper diagram. Also mention advantages and disadvantages.			
5	Explain Fiber-Optic cable with proper diagram. Also mention advantages and disadvantages.			
6	List unguided media and explain any two in details.			
7.	Explain various network devices. Explain Amplifier and Bridges.			
8.	Explain various network devices. Explain switch and Hub.			
9.	Explain Gateway.			
Prepared	By: (Name of Faculty (ies)) with	Signature of Head of Department		
signature		~ ^		

SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED N. G. PATEL POLYTECHNIC COMPUTER ENGINEERING DEPARTMENT FORMAT FOR ASSIGNMENTS Course Name (With Code): CN (4340703) Semester / Year: Third/Second Assignment Number: 4 Assignment CO Number: 4340703.d Sr. No. Questions related to Course Outcomes Part - A Answer the Question. 1 What is IP address? Explain IPv4 addressing schemes. 2 Draw and explain Packet structure of the IPv4 header. 3 What is subnet and subnet mask? 4 What is IP v62 Explain it; advantages		ocument is a part of Main Course File	Document No.: CFM – 8		
COMPUTER ENGINEERING DEPARTMENT FORMAT FOR ASSIGNMENTS Course Name (With Code): CN (4340703) Semester / Year: Third/Second Assignment Number: 4 Assignment CO Number: 4340703.d Sr. No. Questions related to Course Outcomes Part – A Answer the Question. 1 What is IP address? Explain IPv4 addressing schemes. 2 2 Draw and explain Packet structure of the IPv4 header. 3 3 What is subnet and subnet mask?	3 TEL		MANAGED		
FORMAT FOR ASSIGNMENTS Course Name (With Code): CN (4340703) Semester / Year: Third/Second Assignment Number: 4 Assignment Number: 4 Assignment CO Number: 4340703.d Sr. No. Questions related to Course Outcomes Part – A Answer the Question. 1 What is IP address? Explain IPv4 addressing schemes. 2 Draw and explain Packet structure of the IPv4 header. 3 What is subnet and subnet mask?	Z a	N. G. PAI	EL POLY IECHNIC		
Course Name (With Code): CN (4340703)Semester / Year: Third/SecondAssignment Number: 4Assignment CO Number: 4340703.dSr. No.Questions related to Course OutcomesPart – AAnswer the Question.1What is IP address? Explain IPv4 addressing schemes.2Draw and explain Packet structure of the IPv4 header.3What is subnet and subnet mask?	19 ISA	COMPUTER F	ENGINEERING DEPARTMENT		
Semester / Year: Third/Second Assignment Number: 4 Assignment CO Number: 4340703.d Sr. No. Questions related to Course Outcomes Part – A Answer the Question. 1 What is IP address? Explain IPv4 addressing schemes. 2 Draw and explain Packet structure of the IPv4 header. 3 What is subnet and subnet mask?	FORMAT FOR ASSIGNMENTS				
Assignment Number: 4Assignment CO Number: 4340703.dSr. No.Questions related to Course OutcomesPart - AAnswer the Question.1What is IP address? Explain IPv4 addressing schemes.2Draw and explain Packet structure of the IPv4 header.3What is subnet and subnet mask?		e Name (With Code): CN (4340703)			
Assignment CO Number: 4340703.dSr. No.Questions related to Course OutcomesPart - AAnswer the Question.1What is IP address? Explain IPv4 addressing schemes.2Draw and explain Packet structure of the IPv4 header.3What is subnet and subnet mask?	Semester / Year: Third/Second				
Sr. No.Questions related to Course OutcomesPart - AAnswer the Question.1What is IP address? Explain IPv4 addressing schemes.2Draw and explain Packet structure of the IPv4 header.3What is subnet and subnet mask?	Assignment Number: 4				
Part – A Answer the Question. 1 What is IP address? Explain IPv4 addressing schemes. 2 Draw and explain Packet structure of the IPv4 header. 3 What is subnet and subnet mask?	Assignment CO Number: 4340703.d				
1What is IP address? Explain IPv4 addressing schemes.2Draw and explain Packet structure of the IPv4 header.3What is subnet and subnet mask?	Sr. No.	Questions related to Course Outcomes			
2Draw and explain Packet structure of the IPv4 header.3What is subnet and subnet mask?	Part – A	Answer the Question.			
3 What is subnet and subnet mask?	1	What is IP address? Explain IPv4 addressing schemes.			
4 What is IPv6? Explain its advantages	2				
4 What is it vot Explain its advantages.		What is subnet and subnet mask?			
		What is subnet and subnet mask? What is IPv6? Explain its advantages.			
	3				
	3				
Prepared By: (Name of Faculty (ies)) with Signature of Head of Department	3				
signature	3 4	What is IPv6? Explain its advantages.	Signature of Head of Department		

This do	ocument is a part of Main Course File	Document No.: CFM – 8				
and the second	TO LY ROAD	HBHAI PATEL EDUCATION SOCIETY MANAGED EL POLYTECHNIC				
19 ISR	COMPUTER H	ENGINEERING DEPARTMENT				
	FORMAT FOR ASSIGNMENTS					
Course Na	nme (With Code): CN (4340703)					
Semester / Year: Third/Second						
Assignment Number: 5						
Assignment CO Number: 4340703.e						
Sr. No.	Questions related to Course Outcomes					
Part – A	Answer the Question.					
1	List and explain various threats to security.					
2	Explain the team related to security : confidentiality, integrity, Availability					
3	What is Firewall? Types of Firewall and explain in brief.					
4	Explain the difference between HTTP & HTTPS.					
Prepared	By: (Name of Faculty (ies)) with	Signature of Head of Department				
signature	-	_				