

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA ENGINEERING – SEMESTER –IV• EXAMINATION – SUMMER - 2017

Subject Code: 3340702**Date: 29-04-2017****Subject Name: Computer Networks****Time: 10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of programmable & Communication aids are strictly prohibited.
5. Use of only simple calculator is permitted in Mathematics.
6. English version is authentic.

Q.1

Answer any seven out of ten. દશમાંથી કોઇપણ સાતના જવાબ આપો.

14

1. Write full form: ANSI,IEEE
૧. પુર્ણ નામ લખો: ANSI,IEEE
2. Write full form: ISO, EIA
૨. પુર્ણ નામ લખો: ISO, EIA
3. Write full form: MAN, WAN
૩. પુર્ણ નામ લખો: MAN, WAN
4. Write full form: TCP, UDP
૪. પુર્ણ નામ લખો: TCP, UDP
5. Write full form: ARP, IGMP
૫. પુર્ણ નામ લખો: ARP, IGMP
6. Write full form: UTP, STP
૬. પુર્ણ નામ લખો: UTP, STP
7. Write full form: IPv4, IPv6
૭. પુર્ણ નામ લખો: IPv4, IPv6
8. Write full form: DNS, HTTP
૮. પુર્ણ નામ લખો: DNS, HTTP
9. Write full form: SMTP, FTP
૯. પુર્ણ નામ લખો: SMTP, FTP
10. Define: Access Point
૧૦. વ્યાખ્યા આપો : Access Point

Q.2

(a) Write short note: Protocol

03**પ્રશ્ન. ૨**

(અ) ટૂંકનોંધ લખો : Protocol

03

OR

(a) What is CN? Write it's advantages.

03

(અ) CN એટલે શું? તેના ફાયદાઓ લખો.

03

(b) Write down applications of CN.

03

(બ) CN ની applications લખો.

03

OR

	(b) Write short note: standard organizations.	03
	(બ) ટુંકનોંધ લખો : standard organizations.	03
	(c) Write short note: Bus Topology	04
	(ક) ટુંકનોંધ લખો : Bus Topology	0૪
	OR	
	(c) Write short note: Star Topology	04
	(ક) ટુંકનોંધ લખો : Star Topology	0૪
	(d) Write short note: Tree Topology	04
	(ડ) ટુંકનોંધ લખો : Tree Topology	0૪
	OR	
	(d) Write short note: LAN	04
	(ડ) ટુંકનોંધ લખો : LAN	0૪
Q.3	(a) Write short note: Connection Oriented approach	03
પ્રશ્ન. ૩	(અ) ટુંકનોંધ લખો : Connection Oriented approach	03
	OR	
	(a) Write short note: Connection Less approach	03
	(અ) ટુંકનોંધ લખો : Connection Less approach	03
	(b) Write short note: Repeater	03
	(બ) ટુંકનોંધ લખો : Repeater	03
	OR	
	(b) Explain in brief: Application Layer	03
	(બ) ટુંકમાં સમજાવો: Application Layer	03
	(c) Explain in brief: Physical Layer, Data Link Layer	04
	(ક) ટુંકમાં સમજાવો: Physical Layer, Data Link Layer	0૪
	OR	
	(c) Explain in brief: Network Layer, Transport Layer	04
	(ક) ટુંકમાં સમજાવો: Network Layer, Transport Layer	0૪
	(d) Explain in brief: Session Layer, Presentation Layer	04
	(ડ) ટુંકમાં સમજાવો: Session Layer, Presentation Layer	0૪
	OR	
	(d) Write short note: TCP/IP Model	04
	(ડ) ટુંકનોંધ લખો : TCP/IP Model	0૪
Q.4	(a) Write short note: Radio Waves	03
પ્રશ્ન. ૪	(અ) ટુંકનોંધ લખો : Radio Waves	03
	OR	
	(a) Write short note: Infrared Waves	03
	(અ) ટુંકનોંધ લખો : Infrared Waves	03
	(b) Write short note: Twisted Pair cable	04
	(બ) ટુંકનોંધ લખો : Twisted Pair cable	0૪
	OR	
	(b) Write short note: Co-axial cable	04
	(બ) ટુંકનોંધ લખો : Co-axial cable	0૪
	(c) Write short note: Fiber Optic cable	07

	(ક) ટુંકનોંધ લખો : Fiber Optic cable	૦૭
Q.5	(a) Differentiate: IPv4, IPv6	૦૪
પ્રશ્ન. ૫	(અ) જુદા તારવો: IPv4, IPv6	૦૪
	(b) Write short note: FTP	૦૪
	(બ) ટુંકનોંધ લખો : FTP	૦૪
	(c) Write short note: HUBS	૦૩
	(ક) ટુંકનોંધ લખો : HUBS	૦૩
	(d) Write short note: Switches	૦૩
	(ડ) ટુંકનોંધ લખો : Switches	૦૩
