COMPUTER NETWORKING

Rill	in the Blanks : (1 Mark)			
	The transmission of data from one			
	computer to another or from one device to			
	another is referred to as			
02.	is a set of rules that			
	governs the data communications.			
03.	Without a protocol, two devices may be			
00.	but not			
04	A NIC provides a communication channel			
UT •				
	between computer's and			
05	the			
U5.	Each NIC has its own unique			
0.0	address.			
06.	A is a device used to			
	amplify the signal being transmitted on a			
	network.			
07.	A repeater is a but not an			
	·			
08.	A bridge is a and a			
	repeater is an			
09.	Bridges can divide the large network into			
	smaller			
10.	Router uses			
11.	HUB is a form of			
	A switched network consists of a series of			
	interlinked nodes called			
13.	The manner or way in which data is			
	transmitted from one place to another is			
	called			
14	A network consists of interconnected			
17.	A hetwork consists of interconnected			
15	The way a network is laid out, either			
15.	physically or logically is known as			
	physically of logically is known as			
16	In star topology is used.			
1/.	In a linear bus topology, one long cable			
	acts as a to link all the			
4.0	devices in the network.			
18.	Nodes are connected to the bus cable by			
	and			
19.	A tree topology combines characteristics			
	of and			
	topologies.			
20.	Twisted pair otherwise called as			
	·			
21.	Guided media is also known as			

22.	Unguided				on on
		transm	1188101	1.	
23.	Unguided	medium	is	also	called
	The data tra				
25.	is The data tra	ansfer rate i	n mic	rowave	 link is
	about	•			
	speed of dat			or mea	isuring
	is a device that				
	regenerates long distance			gnals to	create
28.		consis	t of		
	copper wires arranged in a regular spira pattern to minimize the electromagneti				
	interference				ignetic
29.	In	tran	smissi	ion mod	
	is sent from one bit follo			eceiver i	ınit by
30.	In			f transn	nission
	only one information				sends
					than ia
31.	The way no known as _			ieu ioge	tilei is
32.	In	topo	ology	all nod	les are
	connected to			used fo	r long
	distance tra	nsmission o	f data	•	
34.		stands f	or bit	s per sec	cond.
Mu	ltiple choice	questions	: (1 N	(ark	
01.	A medium	for transfe	erring	data be	etween
	two location	ns is called_			•
	(a) Network (c) CD ROM		, ,	Hard di All of tl	
02.	What is the				
	two compu				
	lines?		(b)	Modem	
	(a) Tape (c) Bus		` ′	Cable	
03.	` '	er of da		om CI	PU to
	peripherals		of a	compu	iter is
	achieved the	-			
	(a) Modems				
	(b) Comput(c) Interface	-			
	(d) Buffer n				
	· /	<i>J</i>			

04.	The software that you can install on PC to	15.	Protocol is used to communicate between
	access the Internet is the		(a) similar module
	(a) WWW (b) TCP/IP		(b) dissimilar module
05	(c) Browser (d) URL		(c) both a and b
U5.	Different computers are connected to LAN		(d) None of the above
	by a cable and	16.	For communications, wide area networks
	(a) Special wires		use
	(b) Telephone lines		(a) Special purpose telephone wires
0.0	(c) Modem (d) Interface cards		(b) Fiber optics cable and microwaves
UO.	Which of the following is suitable for		(c) Both a and b
	networking within a building?		(d) none of the above
	(a) WAN (b) LAN	17.	A protocol is really
07	(c) MAN (d) VAN		(a) Set demands (b) Set of rules
07.	Which of the following is suitable for		(c) A translation book
	networking in two adjacent buildings?		(d) None of the above
	(a) WAN (b) LAN	18.	Which of the following is not a
00	(c) MAN (d) VAN	10.	transmission medium?
uð.	What is the name of the network topology		
	in which there are bidirectional links		(a) Twisted pair cable
	between each possible node?		(b) Coaxial cable
00	(a) star (b) ring (c) mesh (d) tree		
09.	Which of the following is least affected by addition of work station?		(c) Modem (d) None of these
	(a) ring (b) bus (c) star (d) tree	19.	Data communication cable laying is not
10	Faster data communication is possible		required when using
10.	when using		(a) Optical fibre
	(a) optical fibre (b) coaxial fibre		(b) Coaxial fibre
	(c) microwave transmission		(c) Microwave transmission
	(d) none of these		(d) None of these
11	Our public telephone network is also	20.	Faster data communication is possible
11.	known as		when using
	(a) Public Switched Telephone Network		(a) Optical fibre
	(b) Private Switched Telephone Network		(b) Coaxial fibre
	(c) Value Added Network		(c) Microwave transmission
	(d) None of these	•	(d) None of these
		21.	A router must have at least
12.	Data transmission rate in modem is		NICs.
	measured in		(a) 2 (b) 3 (c) 4 (d) 5
	(a) Bits Per Minutes (b) Bits Per Second	22.	A bridge is a device.
10	(c) Band width (d) None of these		(a) Networking
13.	Data transmission rate is modem is		(b) Connecting
	measured in	22	(c) Internetworking (d) Routing
	(a) Bits per minutes	23.	A is the simplest of all
	(b) Bits per second		networking/internetworking devices.
1.4	(c) Band width (d) None of them above		(a) Repeater (b) Bridge
14.	Which of the following networking	24	(c) Router (d) Gateway
	solution is suitable for networking within	24.	Generally, a is used to divide a
	the building		network into segments.
	(a) WAN (b) LAN (c) MAN (d) None of the above		(a) Repeater (b) Bridge
	(c) MAN (d) None of the above		(c) Router (d) Gateway

25.	A can understand multiple	10. What is WAN ?
	networking protocols.	11. What is PAN?
	(a) Repeater (b) Bridge	12. Difference between guided media and
	(c) Router (d) Gateway	unguided media.
26.	A waits for requests from a	13. How does Star Topology differ from Tree
		Topology?
	(a) Web browser, Web server	14. What is a modem?
	(b) Client, Server	15. What is Bluetooth?
	(c) Web server, Web browse	16. Give examples of Wired technologies?
25	(d) None of the above	17. Give examples of Wireless technologies?
27.	Hub is used in	18. What do you mean by transmission mode?
	(a) LAN	Short answer types questions:
	(b) Internet	(2/3 Marks)
20	(c) Personal Computer (d) None Which of the following is not a network	01. Write short notes of the following:
40.	Which of the following is not a network device?	(i) NIC
		(ii) Gateway
	(a) Router (b) Switch (c) Modem (d) Bridge	(iii) Repeater (iv) Hub
20	Which of the following is suitable for	(v) Bridge
49.	networking in two adjacent buildings?	(vi) Server
	(a) WAN (b) LAN	(vii) Router
	(c) MAN (d) VAN	(viii) Switch
30.	Baud rate means	(ix) Twisted pair cable
	(a) The rate at which data is transferred	(x) Coaxial cable
	(b) The rate at which data is processed	(xi) Optical fibre cable
	(c) The rate at which data is received from	(xii) Satellite based system
	the modem	(xiii) Bluetooth
	(d) None of these	(xiv) Infrared
31.	Baud rate is measured in	(xv) Microwave
	(a) Bits per second	(xvi) Radio link
	(b) Bytes per second	02. Difference among twisted pair cable,
	(c) Megabytes per second	coaxial cable, fibre optic cable.
	(d) None of these	03. Difference among LAN, MAN, WAN.
32.	Which of the of following is used to	Distinguish Between : (Each 2 Marks)
	connect homogeneous network?	01. Bridge and Gateway
	(a) Bridge (b) Gateway	02. Repeater and Router
	(c) Hub (d) None of these	03. Hub and Switch
Ver	y short answer types questions:	04. Server and Client
	Marks)	05. Star, Bus and Ring topology
_	What is communication?	06. Radiowave and Microwave
	Write the advantages of network?	07. Bluetooth and Infrared wave Long question: (7 Marks)
	Define server.	01. Briefly describe different types of network
04.	What is a network?	topologies and also write their advantages
05.	What are the elements of LAN?	and disadvantages with suitable diagram.
06.	What is LAN?	02. Briefly explain the devices used in
07.	What is a topology ?	Internet.
08.	Now many types of topology are available	03. What is communication media? Explain the
	and what are they?	wired and wireless technologies available.
09.	What is MAN?	