Enrollment	No:						
		AH UNIVER					
	Winter 1	Examination-2	2022				
Subject Nan	ne: Networking Essentials						
Subject Cod	le: 4CS04INE1	Branch: B.S	Branch: B.Sc.I.T.				
Semester: 4	Date: 21/09/2022	Time: 02:30	Time: 02:30 To 05:30				
(2) Instr (3) Dray	of Programmable calculator of Programmable calculator of main and main and figures are suitable data if needed.	swer book are strictly to be (if necessary) at right pl	be obeyed.	rohibited.			
Q1 Atter	npt following MCQs.			14			
1)	What is the number of la	yers in OSI reference mo	del?				
	a) 5 c) 7	b) d)	8 6				
2)	In OSI, O stands for						
,	a) Open	b)	Organization	n			
	c) Old	d)	Order				
3)	What is HUB?						
	a) Software	b)	Networking				
	c) Application	d)	Calculating	device			
4)	In HTTP, H stands for	·					
	a) Host	b)	High				
	c) Hyper	d)	Hard				
5)	Which protocol is used for	or browsing?					
	a) HTTP	b)	SMTP				
	c) HTML	d)	TCP				
		4 11 0					

What is the length of IPv4 address? 6)

8 bits a)

b)

12 bits c)

32 bits 16 bits d)

7) Which device is used to boost up weak signal?

HUB a) Switch c)

Repeater Router b) d)

Why are parity bits used? 8)



		a)	to find user		D)	to find server		
		c)	to detect error		d)	to encrypt data		
	9)	The	ocation of a resource or	n internet is give	n by it	S		
	9) The location of a resource on internet is given by its a) E-mail b) Port address							
		c)	Protocol		d)	URL		
		C)	11010001		u)	OKL		
	10)	Which software prevents the external access to a system?						
		a)	Firewall		b)	Router		
		c)	Gateway		d)	None of the above		
	11)	In F	ΓP, T stands for					
	/	a)	Transport		b)	Transection		
		c)	Transmission		d)	Transfer		
		C)	Tunsimssion		u)	114115101		
	12)		ch of the following is no	-	••			
		a)	Star		b)	Mesh		
		c)	Peer to Peer		d)	Ring		
1	13)	If the	systems use separate protocol, which one of the following devices is used to link two systems?					
		a)	Gateway		b)	Hub		
		c)	Router		d)	Repeater		
	1.4)	337 5:	sh of the fallowing is a l	larvan of OSI nofe		da19		
	14)		ch of the following is a l	•				
		a)	Application		b)	Transport		
		c)	Presentation		d)	All of above		
Atten	npt any	FOU!	R Questions from follo	wing.				
Q2	Atten	npt fol	lowing.				14	
	a) D	iscuss	transmission modes.				5	
			analog signal? Explain a	analog transmissi	ion.		5	
			checksum? Explain in sl	_			4	
Q3	Atten	npt fol	lowing.				14	
	a) What is multiplexing? Explain FDM and TDM in details.							
			OSI reference model.				7	
Q4	Atten	npt fol	lowing.				14	
			witching. Explain packe	et and circuit swi	tching		7	
			note on various network		C		7	
Q5	Atten	npt fol	lowing.				14	
	a) D	iscuss	routers and gateway in o	detail.			7	
	b) Define unguided media. Explain microwave and satellite communication.						7	
			-					



Q6	Attempt following.	14
	a) Explain any two guided media in detail.b) Write a note on ethernet and token ring.	7 7
Q7	Attempt following.	14
	a) Explain unicast, broadcast and multicast network communication methods.b) Discuss ISDN with its advantages and disadvantages.	7 7
Q8	Attempt following.	14
	a) What is error? Explain single parity check method for error detection.b) Discuss CSMA/CD in short.c) Explain repeater in short.	5 5 4



