Printed Page:- 03		Subject Code:- BMICA0303		
		Roll. No:		
NOI		ND TECHNOLOGY, GREATER NOIDA		
	(An Autonomous Institute Aff MCA (Into	·		
	SEM: III - THEORY EXAM			
	Subject: Emerging Tre	· · · · · · · · · · · · · · · · · · ·		
Time: 3 Hours		Max. Marks: 100		
General Instructions:				
IMP: Verify that you have received the question paper with the correct course, code, branch etc.				
_	· · · ·	s -A, B, & C. It consists of Multiple Choice		
_	s (MCQ's) & Subjective type questions. um marks for each question are indicated	d on right -hand side of each question		
	te your answers with neat sketches when	v 1		
	e suitable data if necessary.			
5. Prefero	ably, write the answers in sequential orde	er.		
	et should be left blank. Any written mater	rial after a blank sheet will not be		
evaluated	/checked.			
SECTIO		20		
1. Attempt all parts:-				
1-a.	Which of the following is the brain of the	te computer? (CO1, K1)		
(a)	Central Processing Unit			
(b) Memory			
(c)	Arithmetic and Logic unit			
(d) Control unit			
1-b.	is the computer program th	at would convert an assembly language in 1		
	to the machine language. (CO1, K3)			
(a)) Interpreter			
(b) Compiler			
(c)) Comparator			
(d) Assembler			
1-c.	Which of the following is not an operation	ing system (CO2, K2)		
(a)) Windows			
(b) Linux			
(c)) Oracle			
(d) DOS			
1-d.	BIOS is used (CO2, K2)	1		
(a)	By operating system			
(b				

	(c)	By interpreter	
	(d)	By application software	
1-e.	W	Thich is the communication protocol for the internet? (CO3, K2)	1
	(a)	FTP	
	(b)	HTTP	
	(c)	HTML	
	(d)	TCP/IP	
1-f.	A	program that is used to view websites is called a (CO3, K3)	1
	(a)	Web viewer	
	(b)	Browser	
	(c)	Spreadsheet	
	(d)	Word processor	
1-g.	Y	ou can keep your personal files/folders in (CO4, K2)	1
	(a)	My Folder	
	(b)	My Documents	
	(c)	My Files	
	(d)	My Text	
1-h.	In	Excel, contains one or more worksheets. (CO4, K3)	1
	(a)	Template	
	(b)	Workbook	
	(c)	Active Cell	
	(d)	Label	
1-i.		n which of the following service models the hardware is virtualized in the oud? (CO5, K4)	1
	(a)	NaaS	
	(b)	PaaS	
	(c)	CaaS	
	(d)	IaaS	
1-j.		lockchain networks are much and deal with no real single point of failure. CO5, K3)	1
	(a)	Simpler	
	(b)	Easier to scale	
	(c)	Convenient	
	(d)	Faster	
2. Att	empt a	all parts:-	
2.a.	D	raw and explain the block diagram of the computer system. (CO1, K2)	2
2.b.	C	ompare different classification of OS with example. (CO2, K4)	2
2.c.	E	xplain Smoke Sensor. (CO3, K3)	2

2.d.	Elaborate the meaning by Autofill. (CO4, K3)	2
2.e.	Mention the characteristics of Emerging Technologies. (CO5, K3)	2
SECTI	ON-B	30
3. Answ	ver any <u>five</u> of the following:-	
3-a.	Explain any four input and one output devices with their use. (CO1, K2)	6
3-b.	Compare between assembler, compiler and interpreter with examples. (CO1, K3)	6
3-c.	Discuss the advantages and disadvantages of multiprogramming systems. (CO2, K3)	6
3-d.	List the various services provided by operating systems. (CO2, K3)	6
3.e.	Compare Search Engine and Web browser. (CO3, K4)	6
3.f.	Write and discuss some basic editing and formatting features of Microsoft word. (CO4, K3)	6
3.g.	Give some application areas of Cloud Computing and Virtual Reality. (CO5, K3)	6
SECTI	ON-C	50
4. Answ	ver any <u>one</u> of the following:-	
4-a.	Explain the difference between primary and secondary memory? Explain the role of RAM & ROM. (CO1, K4)	10
4-b.	Define the high level and low level languages. How Assembly language different from them? Write an example of each. (CO1, K4)	10
5. Answ	ver any <u>one</u> of the following:-	
5-a.	Differentiate between Batch processing system and Real Time Processing System. (CO2, K3)	10
5-b.	Discuss various types of network topologies in computer network with its advantages and disadvantages. (CO2, K3)	10
6. Answ	ver any one of the following:-	
6-a.	Compare between search engine and web browser with Example. (CO3, K4)	10
6-b.	What are the main components of the IoT architecture. (CO3, K4)	10
7. Answ	ver any one of the following:-	
7-a.	Discuss the various alignments and text formatting in MS Word. (CO4, K3)	10
7-b.	Write short notes on following in context with MS PowerPoint a. Slide show view b. Slide master c. Slide sorter view (CO4, K3)	10
8. Answ	ver any <u>one</u> of the following:-	
8-a.	List out the need and areas of Artificial Intelligence? (CO5, K4)	10
8-b.	Explain 5 V's of Bigdata with appropriate example, (CO5, K4)	10