(03 Ho	ours) Total Marks: 8	0
Note:	Question No 1 is Compulsory.  Answer any three from the remaining questions.  Assume suitable data wherever required.	
1)	Question No 1 is Compulsory.  Answer any three from the remaining questions.	0
2)	Answer any three from the remaining questions.	7
3)	Assume suitable data wherever required.	
Q1.	Solve any four of the following	(20)
a.	What are the advantages and disadvantages of NFT investments?	OF
b.	What differentiates STOs from other token offerings, and how do they enhance investor protections?  Explain the risks associated with Decentralized Finance.	<i>Y</i>
c.		198
d. e.	Discuss how NFTs can be used in shaping the virtual economies of the metaverse?  How does 51% attack impact the security and decentralization of the network?	5
Q2. a	Explain the steps involved in creating and minting of NFTs in OpenSea.	(10)
<b>b.</b>	What is ERC1155? Functions of ERC-1155 and Discuss the benefits of Token ERC-1155	(10)
Q3. a	for NFTs? Explain DeFi layered Architecture with neat diagram	(10)
<b>b.</b>	Describe any 4 potential applications of NFT.	(10)
Q4.a	Explain the steps involved in the process of tokenization, from selecting an asset to issuing digital tokens on a blockchain.	(10)
<b>b.</b>	Explain the advantages of DeFi apps over traditional financial services.	(10)
Q5. a		(10)
<b>b.</b>	attacker? Explain how Flash loan works with a use case and how it is different from collateral based	(10)
19° Q6.	loan? Write short notes on any four of the following.	(20)
Q6.	DEX Aggregator	
DET DE	Selfish Mining attack and its prevention	
c.	Compound (COMP) App	
d.	DAICO and how is it different from an ICO?	
49,	4 Pr 49 Pr 18 Pr	
of e.	DeFi Insurance	
ADAT ARE	Agirly What Are Agir	
5489	7 And Page 1 of 1	
ANOST JOHN	X403Y9E12DAX403Y9E12DAX403Y9E12DAX	

<b>Duration: 3hrs</b>			AT 34	[Max Marks: 80]		
N.B.	(2) (3)	Question No 1 is Co Attempt any three All questions carry Assume suitable da	questions out of equal marks.		AT 3	NET BY
1		attempt <b>any FOUR</b> That is blockchain and	I the core princip	e of Blockchain?	this sale	[20]
	ch c Ide	xplain the significance tain management entify and elaborate aplementing robust K	on the challenges	financial institution		ST.
	d Di	iscuss the potential or chnologies.	f streamlining cli	nical trial processe	es through innovative	45
2	tec a Pr		sumers.	4	ted by blockchain  pplier verification and	[10]
51 / S	b Di	mpliance, and minin	nize duplication o	f efforts in these a		(A)
3	b Ide sto	ficiency, and trust in entify and discuss the	pharmaceutical s challenges healt	upply chains. hcare organizatior	nhancing transparency as face in securely egrity, interoperability	[10]
\$4	a Di	iscuss how blockchai set management in e		emand response, g	rid balancing, and	[10]
200		xplain the concept of atomating rental agree		l smart contracts a	nd their application in	[10]
5		xplain the mechanism etworking, consensus				[10]
Ś	he	xplore the role of IoT ealthcare logistics and	l improving patie	nt access to medic	al supplies.	[10]
6	in	property title manag	ement, rental agre	eements, and cyber	blockchain technology r-physical systems. ferences between the	
4	b De	0.7	vanu mgimgit ti	****	referices between the	[10]

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ET ST SE ET	
(3 Hours) [Total Marks: 80]	
The table of ta	2
Note: 1. Assume suitable data wherever necessary	4
2. Figure to the right indicates Full Marks	60,
3. Question no.1 is Compulsory and answer any 03 Questions from Remaining	2,
	(20)
Q-1: Answer any 4 (5 marks Each)	(20)
what are different Challenges of AI analysis Digital Extension	3
<ul><li>a. What are different Challenges of AI enabled Digital Forensics?</li><li>b. Describe in brief the Four Levels of Crime Divisions in Crime</li></ul>	F/X
<ul><li>b. Describe in brief the Four Levels of Crime Divisions in Crime</li><li>c. What are the purposes and objectives of crime scene examinations?</li></ul>	)′
d. What is meant by crime linking and the various forms of linking	(
e. List out different methods of Recovery of Different Types of Evidence and explain ther	n in
brief.	
f. Describe in brief different models/ Framework of intelligent automation in digital foren	sics.
	)
Q.2 A. Describe following Machine Learning Processes	(10)
i. Data Collection and Preprocessing,	1
ii. Training and Testing Phases	A
B. What is meant by intelligent assets? Explain following asset mechanisms in brief.	(10)
a Intelligence Assets,	ò
b. Knowledge Assets,	′
c. System Assets.	
A A A A A	
Q3. A. Describe the 'crime triangle' model and the concept of the fourth factor 'evidence'	
to secure detection and prosecution	(10)
B. Explain in brief about different best practices in the main forensic evidence types	(10)
Q4. A. Describe Automatic fingerprint identification system and their characteristics	
used in forensic evidence	(10)
B. What are different Inhibitors to the effective uses of crime scene forensic recoveries	(10)
Q5. A. Explain different methods of dealing with Crime Scenes.	(10)
B. Describe importance of Instrument (Tool) Marks for the purpose of recovery of	
evidence 6	(10)
A A A A A	
Q6. A. Explain method of using Glass as sample for evidence recovery. How do you deal	
with Suspects, by using Hair Combings?	(10)
B. What is difference between AI and Automation? Describe role of AI in Automation.	(10)
Se Let let let	
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S. 32 72, 32, 32, 32, 32, 32, 32, 32, 32, 32, 3	

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## Paper / Subject Code: 50677 / Metaverse

	[Duration: 3hrs] [Max Marks: 80]	)
N.B.		8
	(2) Attempt any three questions out of the remaining five.	E.
	(3) All questions carry equal marks.	
	(4) Assume suitable data, if required and state it clearly.	
1	Attempt any FOUR	[20]
a	What is Metaverse? Explain why Metaverse is the heart of Web 3.0?	,
b	Write a note on necessary hardware and infrastructure for Metaverse.	,
c	Justify the role of IoT to bridge the gap between physical world and internet.	15°
d	List the characteristics of Metaverse	5
e	What is difference between virtual reality and Metaverse.	
2 a	Explain the various building blocks of Metaverse.	[10]
b	Explain different shapes of Metaverse with example.	[10]
A	AT AT AT AT AT	
3 a	Explain potential working of ERC721 NFT in detail.	[10]
b	List different platforms involved in the Metaverse. Explain with example and	[10]
S	applications.	
A+		F4 03
4 a		[10]
b	Explain pros and cons of buying NFTs for Metaverse.	[10]
5 a	How to use MetaMask to access Decentral and owning land to have direct access	[10]
\$	of Metaverse? Explain.	
B		[10]
1		_
6	Write short note on: (any two)	[20]
a	NFT for Metaverse: Need, virtual assets, and unlocking	
b	Challenges and opportunities of Metaverse	
S c	Asset classes inside Metaverse	
A	A A A A A A A A A A A A A A A A A A A	
P A	*********	
B,	AR A	
72/1	By The Tolk	
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110	X403Y37A2B7X403Y37A2B7X403Y37A2B7X403Y37A2B7	

	Durati	ion: 3hrs Max Marks: 80	?
		<ul> <li>(1) Question No 1 is Compulsory.</li> <li>(2) Attempt any three questions out of the remaining five.</li> <li>(3) All questions carry equal marks.</li> <li>(4) Assume suitable data, if required and state it clearly.</li> </ul>	61,0
	1	Attempt any FOUR	[20]
	a	Explain the use of mobile computing as digital driver of digital economy	S
	b	What is the primary goal of the digital application or digital infrastructure?	5
	c	What are the pillars of e-commerce network?	,
	d	State and Explain opportunities & Challenges in Digital Business	<i>(</i> *
	S e	Explain digital signature.	200
	$\frac{1}{2}$ a	Explain key business processes that the ERP system will support?	[10]
	b	Explain how B2B-E-commerce-selling and buying in private e-markets.	[10]
	3 a		[10]
No.	b b	hardware and software that are used in the e-infrastructure.  Explain legal societal and ethics impact of E commerce.	[10]
of s	4 a	Explain in detail what are the most prevalent security threats to e-businesses	[10]
26th	É	today? St.	
	4b	Explain digital certificate in detail.	[10]
	3 a	Explain how does the e-business strategy align with the overall business vision	[10]
	7	and mission?	
.5	b	Describe how Amazon used data analytics to enhance its business:	[10]
-6 <sup>1</sup> / <sub>1</sub> / <sub>2</sub>	6 a	Explain what is the key action steps required to implement our e-business	[10]
OFFICE STATES	120	strategy?	
2, 40	b	What is business plan? Why it is required in any business organization?	[10]
POT POTANT		Page 1 of 1  X403YD5DA96X403YD5DA96X403YD5DA96X403YD5DA96	
ST RESTOR	57148	Page 1 of 1	
6	3	X403YD5DA96X403YD5DA96X403YD5DA96X403YD5DA96	

	Paper / Subject Code: 50688 / Environmental Management	ST ST
	Paper / Subject Code: 50688 / Environmental Management	STATE STATE
·	ime: 3 Hours) ote:  (Total Marks:	80)
1.	Question No.1 is compulsory	
2.	Attempt any <b>three</b> out of the remaining <b>Five</b> questions.	187
3. <b>Q. 1.</b>	Assume suitable data if necessary.  Answer any FOUR of the following:	(20)
Q. 1.	(a) Define Environmental Objective as per ISO 14001	(20)
	(b) What are the challenges in implementation of ISO 14000 standards?	ST ST
	(c) Unawareness or ignorance of environmental protection will lead to	A A A
	detrimental consequence comment. Justify the statement.  (d) Write short note on Global Warming as a Global Environmental Concern.	ST STEPS
	(e) Discuss on Applications of Environmental Management System	ATTO LIBY
	(f) Discuss the key success factors for applied to almost all the operation for EMS implementation.	24 KB. 103 484.
0.2.	(a) What is Water (P & CP) Act? Give its objectives.	(10)
Sh	(b) Discuss in short about Environment Protection Act.	(10)
	ST S	195
Q. 3.	(a) Discuss roles of Government as regulatory agency for Environmental Management. Enlist 3 points.	(10)
By Alby	(b) Explain limiting factors and carrying capacity as related to Ecosystems.	(10)
Q. 4.	(a) What is Total Quality Environment Management Concept?	(10)
787	(b) How is CSR related to Environmental Management? Explain with an	(10)
E SERVI	texample	
Q. 5.	(a) Elaborate the ISO 14001 EMS Model for Municipalities.	(10)
A 29	(b) Discuss in short about EMS certification.	(10)
110°	A STATE OF THE STA	
Q. 6.	Answer the following	(20)
A PO	(a) Discuss on Wildlife protection Act.	
The state of	(b) What are the guidelines to conduct and Environmental audit?	
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