CBCS SCHEME

USN [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]   20MBA301

Third Semester MBA Degree Examination, Feb./Mar. 2022
Emerging Exponential Technologies

Time: 3 hrs.   Max. Marks:100

Note: *1. Answer any FOUR full questions from Q.No.1 to 7.*
2. Q.No. 8 is compulsory.

1	a.	How does human-machine interaction work?	(03 Marks)
	b.	Explain the future trends in emerging technologies.	(07 Marks)
	c.	Explain the evolution of Industry from 1.0 to 4.0.	(10 Marks)
2	a.	What is Data Science? Why does business need data science with example?	(03 Marks)
	b.	Explain the data science process.	(07 Marks)
	c.	Explain different data types and its representation.	(10 Marks)
3	a.	What is AI?	(03 Marks)
	b.	Explain different types of AI.	(07 Marks)
	c.	Explain the applications of AI in Agriculture and Health fields.	(10 Marks)
4	a.	Explain the IOT working process.	(03 Marks)
	b.	What are the different IOT tools and platforms?	(07 Marks)
	c.	Explain the applications of IOT at Smart Home; Smart Grid; Smart City.	(10 Marks)
5	a.	What is AR and VR with example.	(03 Marks)
	b.	Explain the application of AR systems.	(07 Marks)
	c.	Describe the applications of 3D printing. What are the advantages and disadvantages of 3D printing?	(10 Marks)
6	a.	What is Cloud Computing with example?	(03 Marks)
	b.	What is accountability and Trust? Explain in detail.	(07 Marks)
	c.	Describe the Big data life cycle. What are the main applications of Big data?	(10 Marks)
7	a.	What is digital privacy?	(03 Marks)
	b.	Write a short note on: i) Block chain ii) Computer vision.	(07 Marks)
	c.	What is Cyber Crime? Explain different forms of computer crime.	(10 Marks)

8   Case Study (Compulsory) :

FintechOS on Microsoft Azure lognitive Services

FintechOS works with banks and companies in the finance industry to digitize their customer experience by building custom platforms. Their goal is to make their service more accessible to their non-technical clients by leveraging artificial intelligence for a low-code digital creation process. "We replaced a three-day paper-based process with a 15-minute digital customer journey, thanks to Azure's Integrated AI capabilities, "say Remeo Jorna, Chief of Technology Officer at FintechOS. "Azure services freed us from preparing the underlying platform and let us focus on developing our solution".

Questions:

a. What are the improvements seen by FintechOS after implementation of AI Tools?

(10 Marks)

b. State how FintechOS can improve the security of customer identify by using AI Tools.

(10 Marks)

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