P6895

[5860] 318 S.Y.M.B.A.

SEAT No. :

[Total No. of Pages : 2

305 BA SC-BA-94 : MACHINE LEARNING & COGNITIVE INTELLIGENCE USING PYTHON (2019 Pattern) (Semester - III)

Time : 2 ^{1/2} Hours			[Max. Marks : 5	50
Instructions to the candidates:				
	1)	Figures to the right indicate full marks.	3	
	2)	Assume suitable data if necessary.		
	3)	Draw neat diagrams wherever necessary.		
	4)	All guestions are compulsory.		
Q1)	Sol	e any five:		
	a)	State how to define variable in python?	[2	2]
	b)	Identify any two features of machine learning.	[2	2]
	c)	List various loops in python.	[2	2]
	d)	List any two differences between lists and sets.	[2	2ဨၣ
	e)	What do you mean by operator overloading in python	1?	2]
	f)	Define the term cognitive intelligence.		2]
	g)	Identify the steps of CRISP - DM Methodology.		2]
	h)	What do you mean by data visualisation?		2]
			S.	
Q 2)	Solv	ve any two:	0r	
	a)	Describe Numpy Arrays. Explain with example.	[5	5]
	b)	Distinguish between clustering and classification in ma	chine learning.[5]
	c)	Discuss the Reinforcement learning with example.	[5	5]
		A.		
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- Q3) Solve any one:
 - Explain the decision tree algorithm in machine learning with example.[10] a)
 - Explain the concept of simple and multiple regression. [10] b)

Q4) Solve any one:

- Discuss how the clustering is useful in marketing domain? [10] a)
- Analyse K Nearest Neighbour algorithm for machine learning. b) [10]

Q5) Solve any one:

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- Design a code in python to print the following pattern [10] a) 2020 8:41.0454 2020 8:41.0454
- "Machine learning will make companies more efficient and allow them to .er teme [10] (10) (b) streamline business processes of an organisation". Justify the statement.

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