		Reg. No.		
	Question Paper (	Code 115	68	
	B.E. / B.Tech DEGREE E Sixt Informati IT8601 - COMPUTAT (Regula	XAMINATION h Semester on Technology FIONAL INTE ations 2017)	NS, NOV/DEC 2022 LLIGENCE	
•	Duration: 3 Hours PART - A (1) Answer A	$0 \times 2 = 20$ Marl	Max. Marl (s)	ks: 100
1.	Define Artificial Intelligence			Marks, K-Level, CO 2,K1,CO1
2.	Identify how and it is in the performance of the second se	mance of differe	nt search strategies.	2,K1,CO1
4	Define Unification	in knowledge r	epresentation.	2,K1,CO2
5	Define Neurol Network			2,K1,CO2
6	What is Eugen Locie 2 What is in			2,K1,CO3
0. 7	State the support used in GUD (	?		2,K1,CO3
8	Infer what Deward Deve is in SVM.			2,K1,CO4
9	List out the advantage of the D	iforcement learn	ing.	2,K2CO4
10	Infer parse tree and give and l			2,K1,C05
10.	inter parse tree and give example.			2,K2CO5
	PART - B (5 Answer A	< 13 = 65 Marks LL Questions	s)	
11.	a) (i) List the advantages and limitat taxonomy of the crossover ope (ii) Explain in detail admissibility	ions of Genetic A rator.	Algorithm. State the	8,K2,CO1
	O	R Algorium	n.	5,K2,CO1
	b) Write short notes on Exp shell.	ert system tools	and expert system	13,K2,CO1
12.	a) Explain the term logic. What Intelligence? Compare Propositi (Predicate Calculus).	is the role of ional logic wit	f logic in Artificial th First order logic	13,K2,CO2
	b) Describe Unification algorithm in	<b>k</b> brief with an ex	ample	13 K2 CO2
K1 – 1	Remember; K2 – Understand; K3 – Apply: K4 -	- Analyze: K5 – Fw	aluate: K6 - Create	11569

13. a) Define Fuzzy Set? Explain in brief about Fuzzy set operations?

13,K2,CO3

OR

- b) Identify the different key issues with respect to non-monotonic <sup>13,K2,CO3</sup> reasoning system?
- 14. a) Describe briefly about the Regression and Classification with Linear <sup>13,K2,CO4</sup> Models.

OR

- b) Identify Various Types of Reinforcement Learning Techniques. 13,K2,CO4
- 15. a) Describe about NLP? Write in details about various application of NLP. <sup>13,K2,CO5</sup> OR
  - b) Express the basic concept of Machine Translation System with a <sup>13,K2,C05</sup> schematic diagram.

## PART - C $(1 \times 15 = 15 \text{ Marks})$

16. a) Case study: Find the algorithm that is capable of learning to recognize <sup>15,K3,CO6</sup> the handwritten digits and squeezing every last drop of predictive performance out of them.

## OR

b) (i) Illustrate probabilistic models for information extraction. 7,K3,C06 (ii) Express conditional random fields for information extraction. 8,K3,C06

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