	BSCHAI-121: Introduction to Artificial Intelligence and Data Science: 3 Hrs	ence
Tim		Max Marks:75
Note: Candidates are required to attempt two question each from the sections A & B of the ques		B of the guestion
pape	er and the entire section C.	
	Section-A	
1. Br	riefly explain the application areas of Artificial Intelligence.	15
2. Ex	xplain the syntax and semantics of propositional logic.	15
3. W	hat is supervised learning? How decision tree is used in supervised learning?	15
	plain the techniques for edge detection, and image segmentation.	15
	Section-B	
5. Ex	plain application areas of Data Science.	15
6. What are anomalies in the dataset? How these anomalies are handled while processing dataset?		
		15
7. How graph based data is represented? Explain.		15
8. Exp	plain predictive modeling.	15
	Section-C	
9.	a. What is dynamic programming?	
	b. Write in FOPL: "Joe has written at least one song."	
	c. What is relevance based learning?	
	d. What are live data streams?	
	e. Write the features of Julia language.	5X3=15