Hall Ticket No: ☐☐☐☐☐☐☐☐☐☐ Question Paper Code: 14MCA401-M1

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)
MCA II Year II Semester (R14) Supplementary End Semester Examinations – Jan 2019
(Regulations: R14)
INTRODUCTION TO MACHINE LEARNING (MOOC)

Time: 3Hrs   Max Marks: 60

Attempt all the questions. All parts of the question must be answered in one place only.
In Q.no 1 to 5 answer either Part A or Part B only

Q.1(A)	i) Explain about Type-I and Type-II errors.	6M+
	ii) Explain the differences between classification and clustering	6M
	OR	
Q.1(B)	How to determine the classifier accuracy? Explain.	12M
Q.2(A)	Explain about decision tree algorithm.	12M
	OR	
Q.2(B)	Explain about subset selection methods.	12M
Q.3(A)	i) Define precision and recall.	6M+
	ii) What is regression? Explain how it is helpful in Machine Learning.	6M
	OR	
Q.3(B)	Explain the Back propagation method to train the ANN.	12M
Q.4(A)	Explain the density based clustering methods.	12M
	OR	
Q.4(B)	Explain K-Means clustering method with example.	12M
Q.5(A)	Explain about graph-based models.	12M
	OR	
Q.5(B)	Explain reinforcement-learning framework with an example.	12M

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