

Hall Ticket No:

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

Question Paper Code: 14MCA111

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA II Year II Semester (R14) Supplementary End Semester Examinations – June 2018

(Regulations: R14)

DATA WAREHOUSING AND DATA MINING

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 B only

Q.1(A) Explain about the data mining task primitives. 12M

OR

Q.1(B) Explain in detail about the Data integration and Transformation. 12M

Q.2(A) Write about the various kinds of Association rules. 12M

OR

Q.2(B) Define data warehouse. Draw the architecture of data warehouse and explain the three tiers in detail. 12M

Q.3(A) Write about Linear and Non-Linear regression in prediction. 12M

OR

Q.3(B) Explain about the Rule-Based Classification. 12M

Q.4(A) Explain about constraint-Based cluster analysis. 12M

OR

Q.4(B) Explain about the following 12M
i) Binary Variables
ii) Vector Objects
iii) Variables of Mixed Types

Q.5(A) Write brief notes on text mining. 12M

OR

Q.5(B) Explain about spatial Data Cube construction and spatial OLAP in detail. 12M

***** END*****

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 – June 2018
INTRODUCTION TO MACHINE LEARNING

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 B only

Q.1(A) Explain briefly shrinkage methods. 12M

OR

Q.1(B) i) What is the trade-off between bias and variance? 6M
ii) What is the difference between supervised and unsupervised machine learning? 6M

Q.2(A) Explain about subset selection methods. 12M

OR

Q.2(B) Write notes on Bayesian Linear Regression. 12M

Q.3(A) i) Explain about MLP. 6M
ii) What is bayes theorem? How is it useful in machine learning context? 6M

OR

Q.3(B) Explain about single link, complete link, average link and centroid based in clustering methods. 12M

Q.4(A) Explain about density based clustering methods. 12M

OR

Q.4(B) Explain DB-SCAN clustering methods. 12M

Q.5(A) Explain reinforcement learning framework with an example. 12M

OR

Q.5(B) What is markov blanket? Explain markov random fields. 12M

***** END*****