

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)

MCA(2Yrs) II Year I Semester (R16) Supplementary End Semester Examinations – Dec' 2019
(Regulations: R16)

DATA WAREHOUSING AND DATA MINING

Time: 3Hrs

Max Marks: 50

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) What is KDD? Explain Data Mining Process in KDD. 10M

OR

Q.1(B) Discuss in detail about Data Reduction. 10M

Q.2(A) Explain the differences between OLAP and OLTP. 10M

OR

Q.2(B) Apply Apriori algorithm find all frequent item sets for the following Market Basket data. Minimum Support -2 10M

T_id	Items
1	I1,I2,I5
2	I2, I4
3	I2, I3
4	I1, I2,I4
5	I2,I3
6	I2,I3
7	I1,I3
8	I1,I2,I3,I5
9	I1,I2,I3

Q.3(A) Explain the issues regarding Classification and Prediction. 10M

OR

Q.3(B) Illustrate decision tree induction method. 10M

Q.4(A) What is Clustering? Explain different types of clustering methods. 10M

OR

Q.4(B) Illustrate K-means clustering with example. 10M

Q.5(A) Write in detail about text mining. 10M

OR

Q.5(B) Write about similarity search in time series data mining. 10M

*** END***

Hall Ticket No:

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Question Paper Code: 16MCA419

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(UGC-AUTONOMOUS)

MCA(2Yrs) II Year I Semester (R16) Supplementary End Semester Examinations – December 2019

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INTERNET OF THINGS

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) i. Explain about Technology and Scientific trends. 10M
ii. Write a brief note on M2M Solutions.

OR

Q.1(B) Explain about Trends information and communication Technologies. 10M

Q.2(A) Explain about Information - Driven Value Chains with diagrams. 10M

OR

Q.2(B) Discuss in detail about the IOT architecture. 10M

Q.3(A) i. Explain about ETSI Functional Architecture. 10M
ii. List out and Explain different Value chains.

OR

Q.3(B) Discuss in detail about the application of IOT in Business processes. 10M

Q.4(A) What is IOT domain model? Explain with details. 10M

OR

Q.4(B) Briefly explain about Communication model with necessary diagrams. 10M

Q.5(A) What is the purpose of Information view? 10M

OR

Q.5(B) i. What is Service oriented Architecture? 10M
ii. Write a note on

1. Deployment View.

2. Operational View.

***** END*****