

Hall Ticket No:

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Question Paper Code: 16MCA112

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

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

(Regulations: R16)

DATA WAREHOUSING AND 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) Classify and explain the Data mining systems. 10M

OR

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

Q.2(A) Explain about Star schema and Snowflake schema with the help of suitable diagrams. 10M

OR

Q.2(B) What is Association rule? Explain with Market Basket analysis. 10M

Q.3(A) Explain about decision tree induction algorithm with example. 10M

OR

Q.3(B) Explain any two classification methods. 10M

Q.4(A) Explain any two Hierarchical clustering methods. 10M

OR

Q.4(B) What is outlier? Explain various methods for detecting outliers. 10M

Q.5(A) Explain about Spatial datamining 10M

OR

Q.5(B) What is Text Mining? Explain different text mining techniques. 10M

*** END***

Hall Ticket No:

Question Paper Code: 16MCA113

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

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

(Regulations: R16)

CRYPTOGRAPHY AND NETWORK SECURITY

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) Write short note on substitution techniques of classical Encryption. 10M

OR

Q.1(B) Explain in detail about IP security architecture. 10M

Q.2(A) What is key agreement protocol in 2G network? Explain how the data has to protect in TKIP and CCMP. 10M

OR

Q.2(B) Differentiate between 2G and 3G network and Explain the entities involved in cell phone security with security goals. 10M

Q.3(A) i. Discuss SQL Injection attacks with examples. 10M
ii. Explain Wireless LAN Vulnerabilities.

OR

Q.3(B) Write a short note on Windows/UNIX based Mandatory access control and Role based access control. 10M

Q.4(A) Explain in detail about BOTNET. 10M

OR

Q.4(B) What are the characteristics of worms? Discuss the function of firewall with its characteristics. 10M

Q.5(A) Write short note on 10M
i. WS Security
ii. SAML

OR

Q.5(B) Explain in detail about Intrusion detection types. 10M

***** END*****

Hall Ticket No:

Question Paper Code: 16MCA419

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)
MCA (2Yrs) II Year I Semester (R16) Supplementary End Semester Examinations – May 2019
(Regulations: R16)
INTERNET OF THINGS

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 are the M2M Application areas? Explain. 10M

OR

Q.1(B) What are game changers? Explain. 10M

Q.2(A) List out and Explain different Value chains. 10M

OR

Q.2(B) Write a note on IOT architecture. 10M

Q.3(A) What are the key M2M Technologies? Explain. 10M

OR

Q.3(B) How IOT can be used in Business processes. Explain 10M

Q.4(A) Briefly Explain about Communication model. 10M

OR

Q.4(B) Explain ETSI M2M Service Capabilities. 10M

Q.5(A) What is Service oriented Architecture? Explain. 10M

OR

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

*** END***